



Supporting Information

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Synthesis of a Glucuronic Acid-Containing Thioglycoside Trisaccharide Building Block and Its Use in the Assembly of *Cryptococcus Neoformans* Capsular Polysaccharide Fragments**

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Supporting information

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Fig 2: ^{13}C NMR of **2** at 25 °C

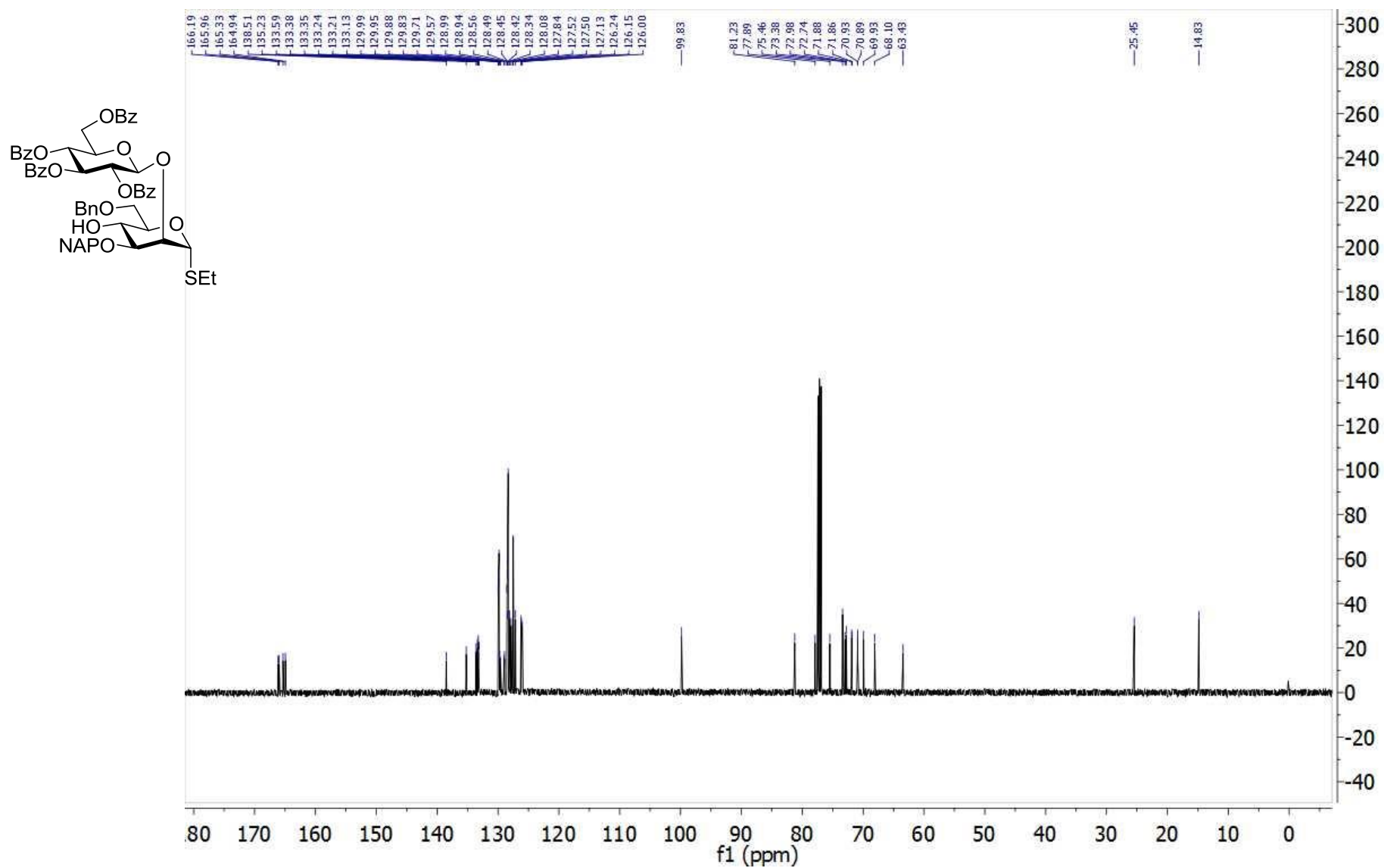


Fig 3: ^1H NMR of 4 at 25 °C

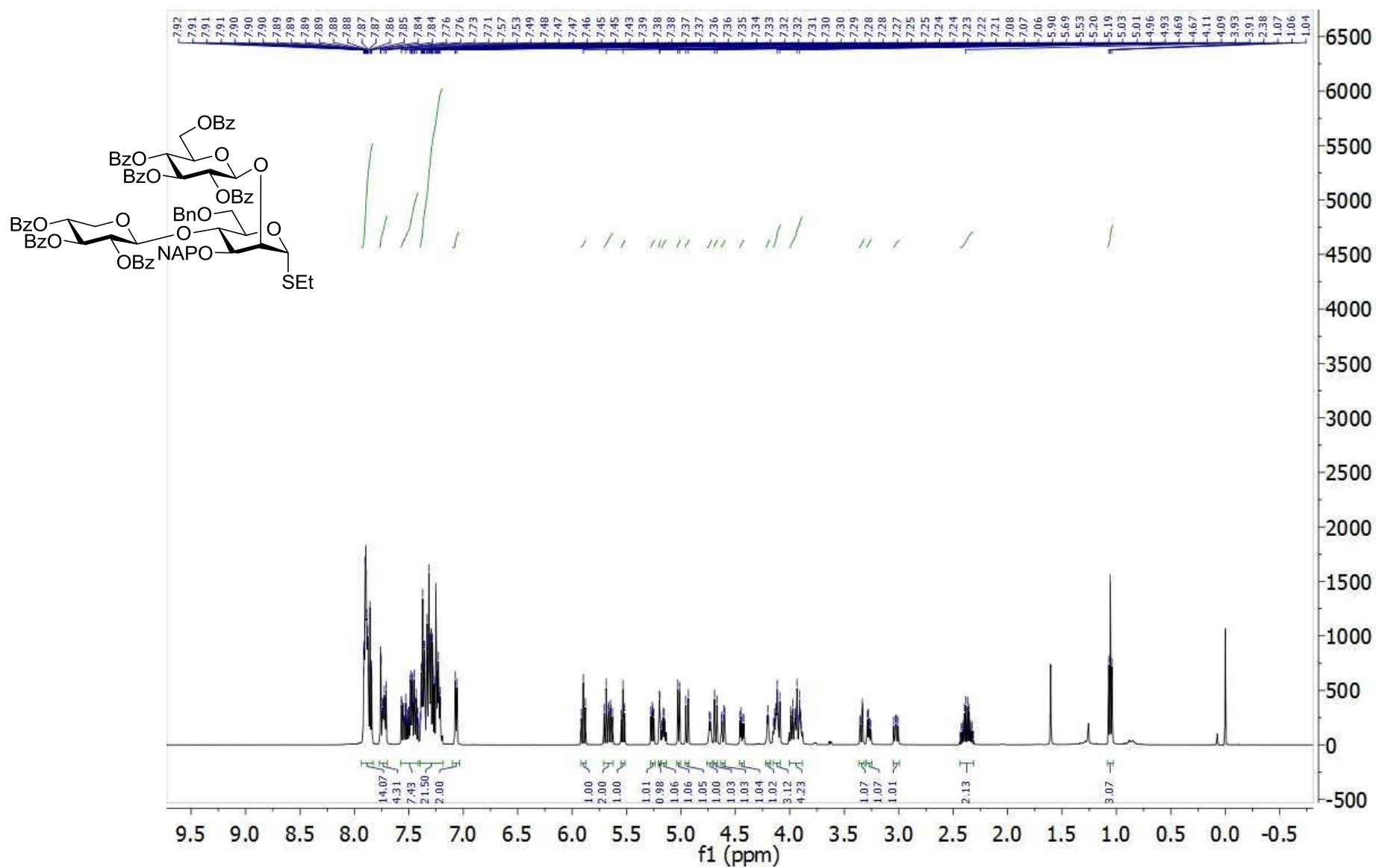


Fig 4: ^{13}C NMR of **4** at 25 °C

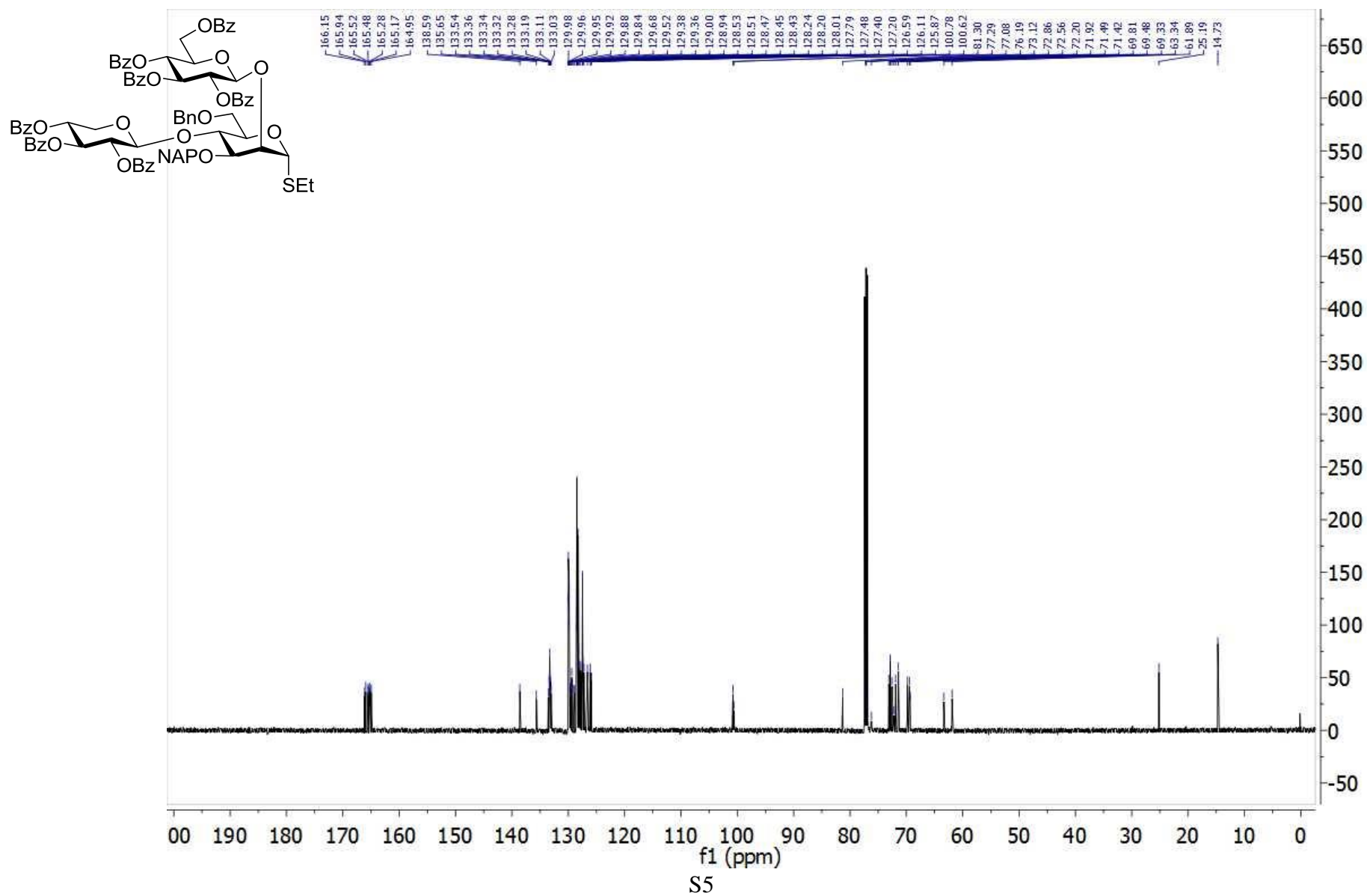


Fig 5: ¹H NMR of **5** at 25 °C

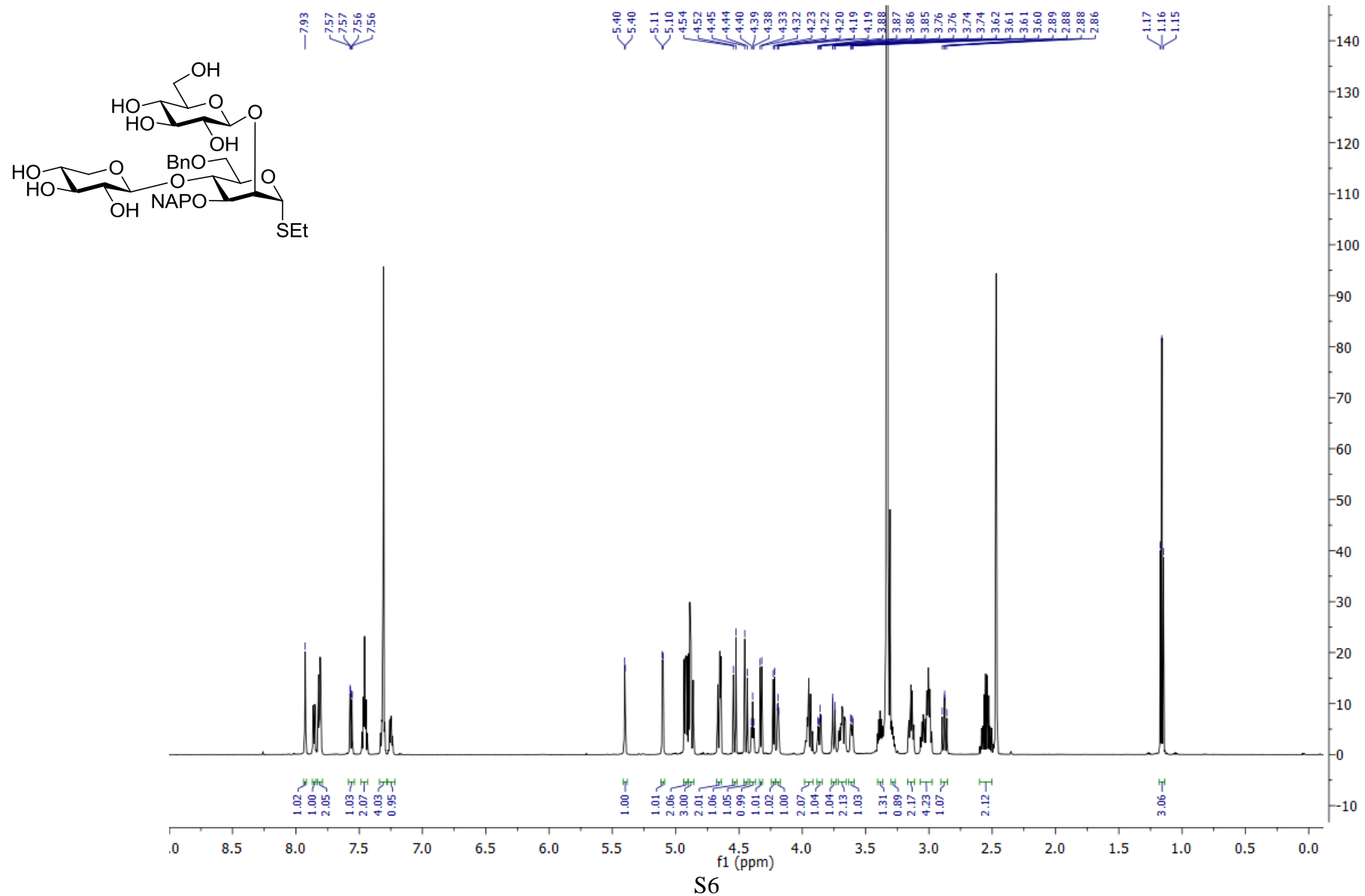


Fig 6: ^{13}C NMR of **5** at 25 °C

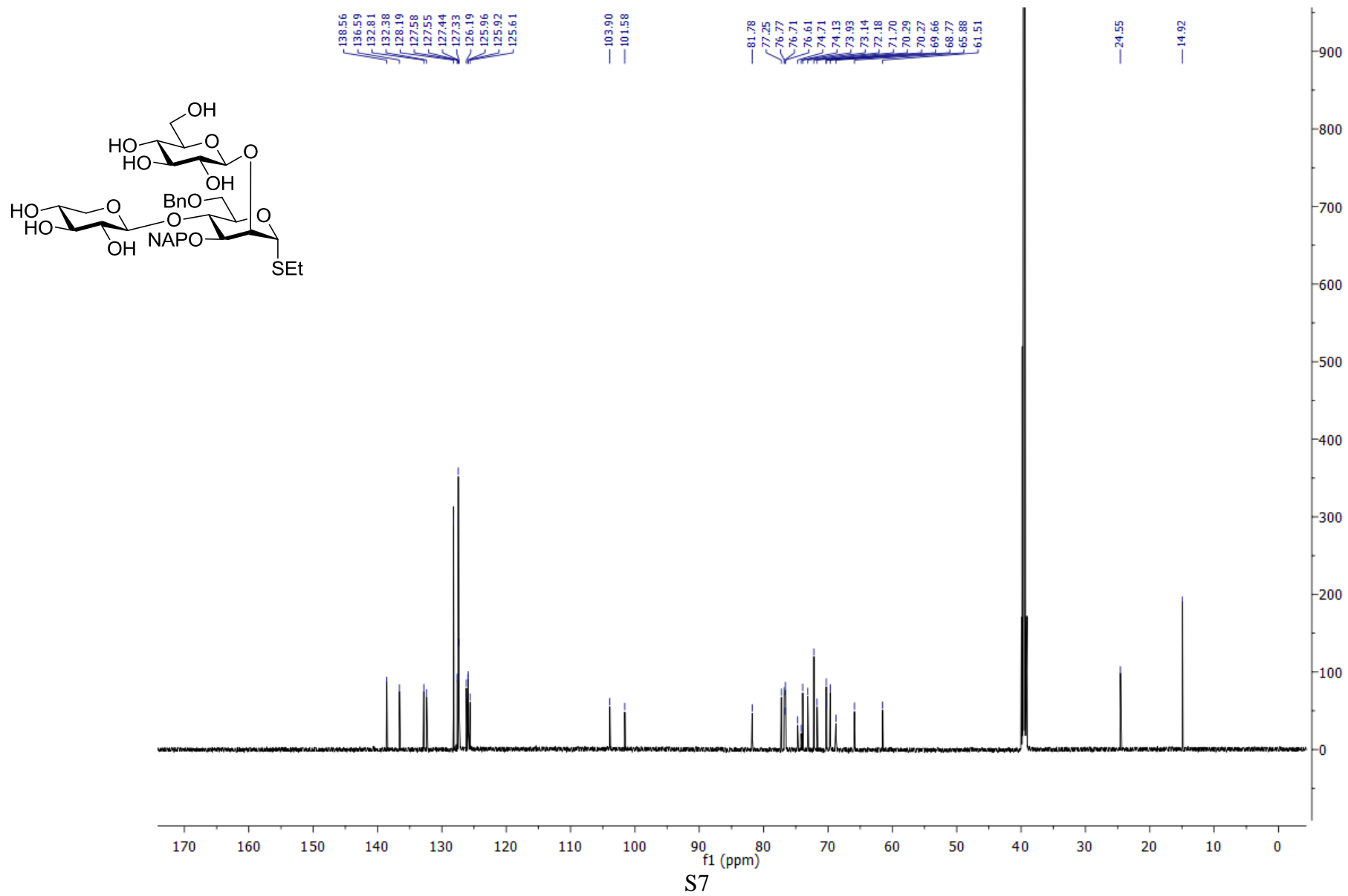


Fig 7: ^1H NMR of 6 at 25 °C

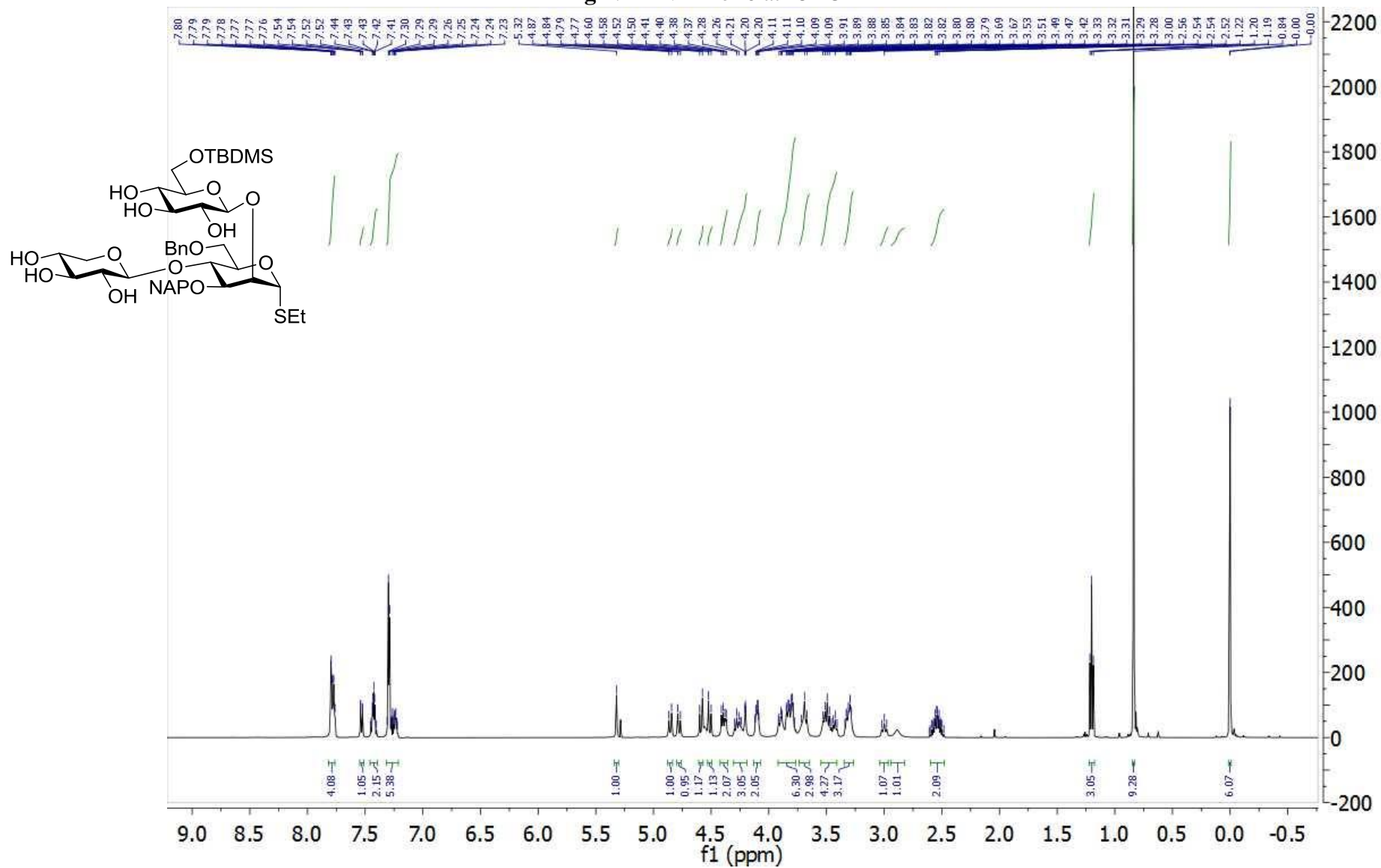


Fig 8: ^{13}C NMR of 6 at 25 °C

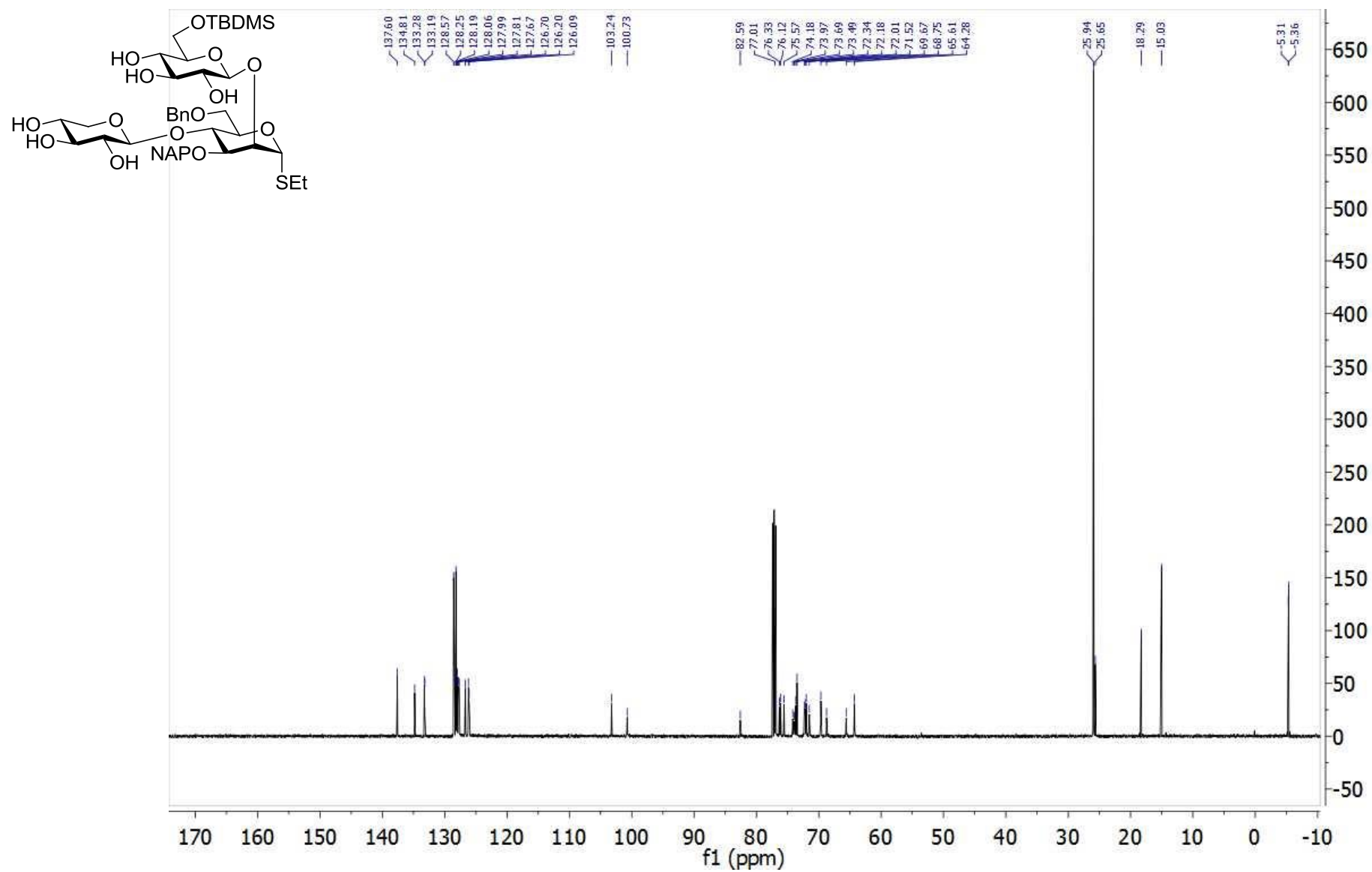


Fig 9: ^1H NMR of 7 at 25 $^\circ\text{C}$

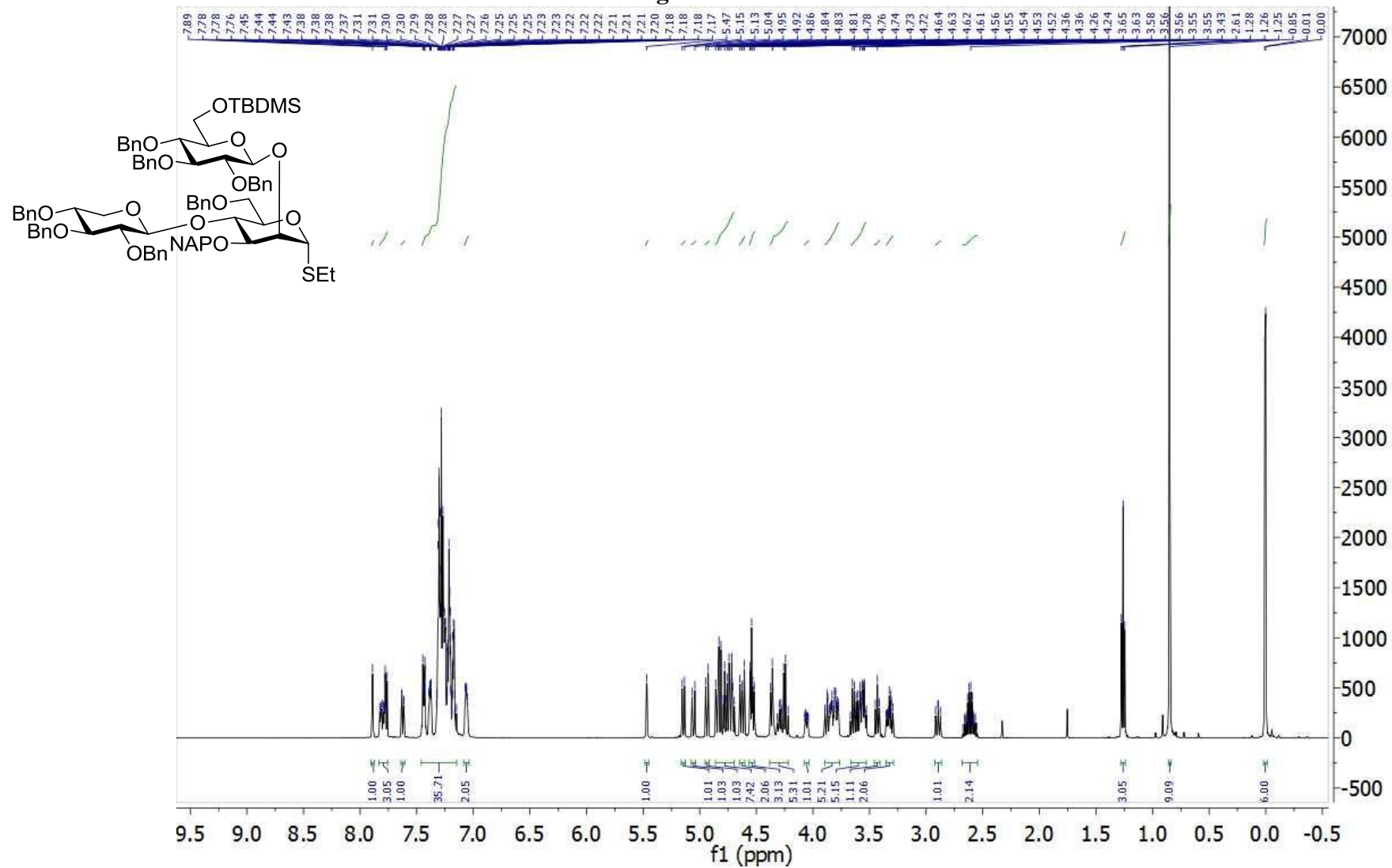


Fig 10: ^{13}C NMR of 7 at 25 °C

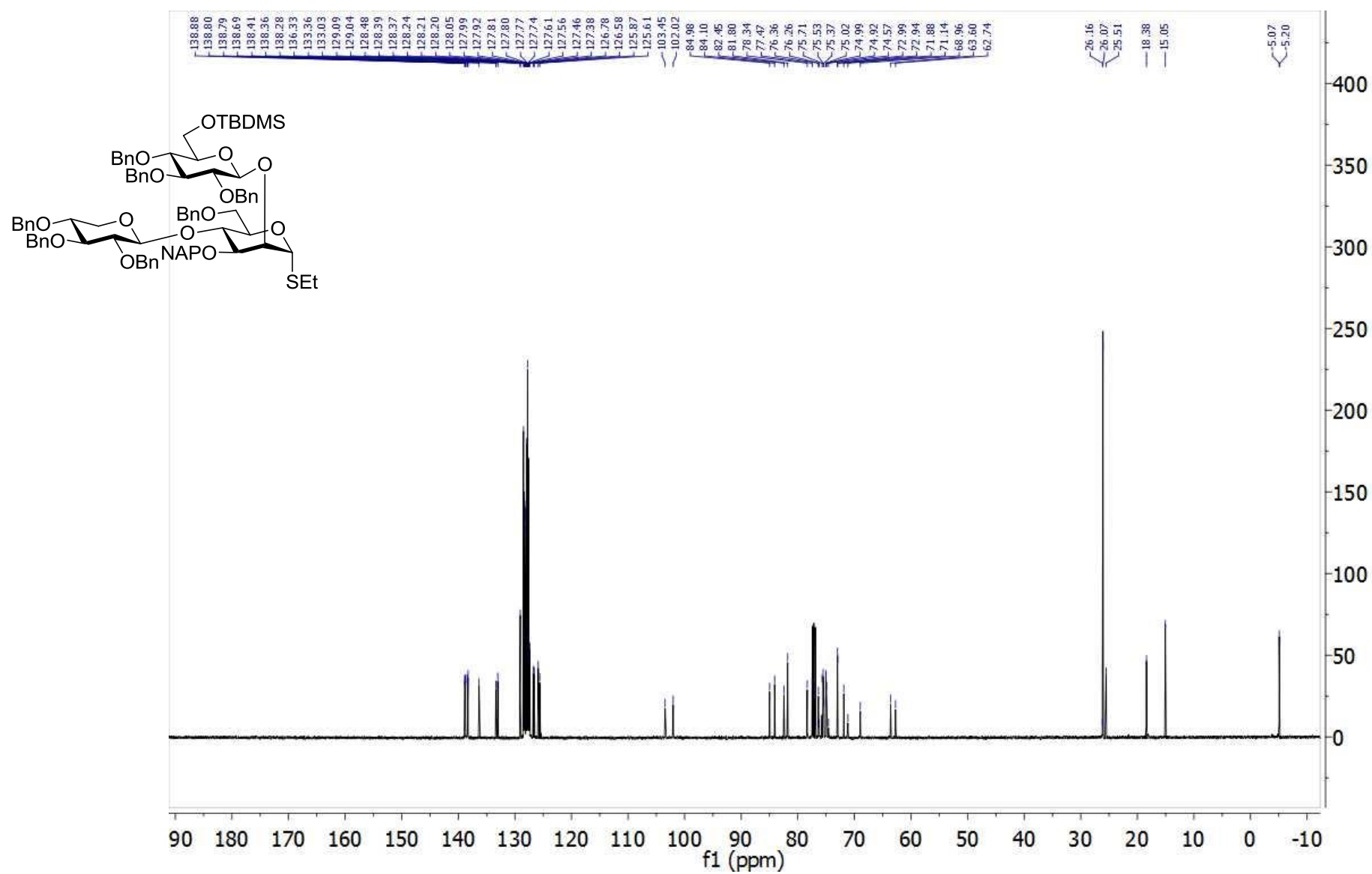
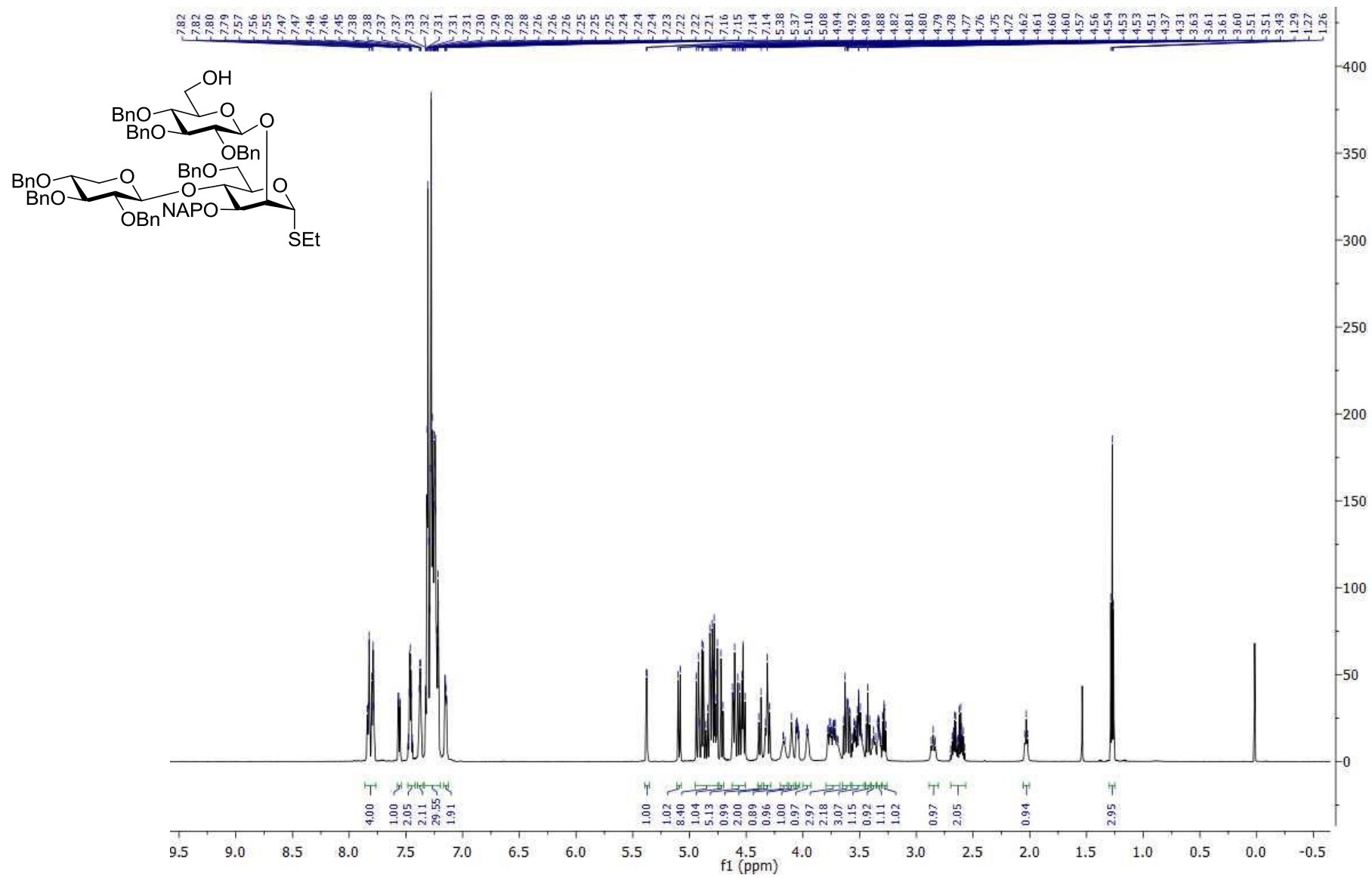


Fig 12: ^1H NMR of **8** at 50 $^\circ\text{C}$



S13

Fig 13: ^{13}C NMR of **8** at 25 °C

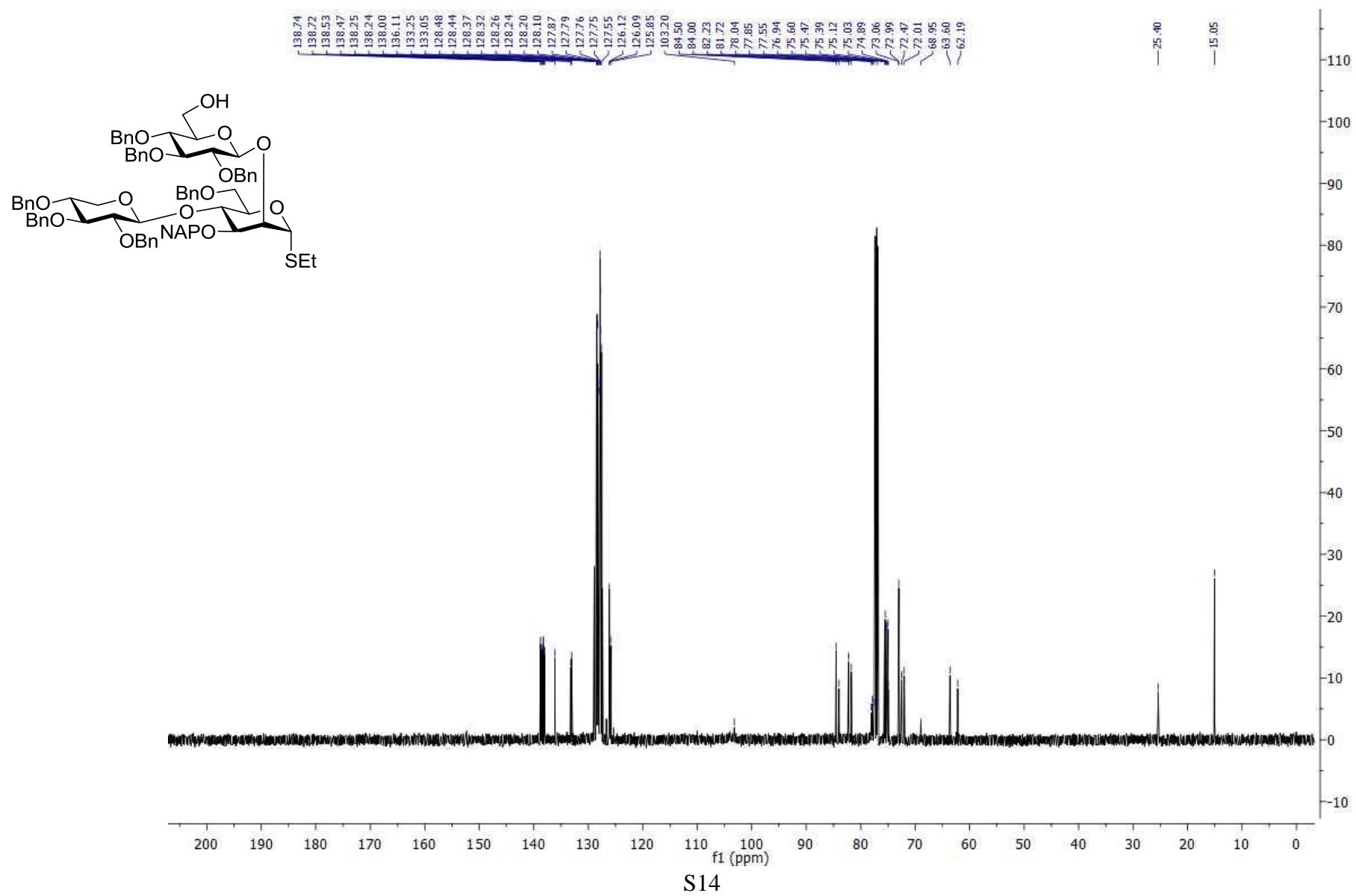


Fig 14: ^{13}C NMR of **8** at 50 °C

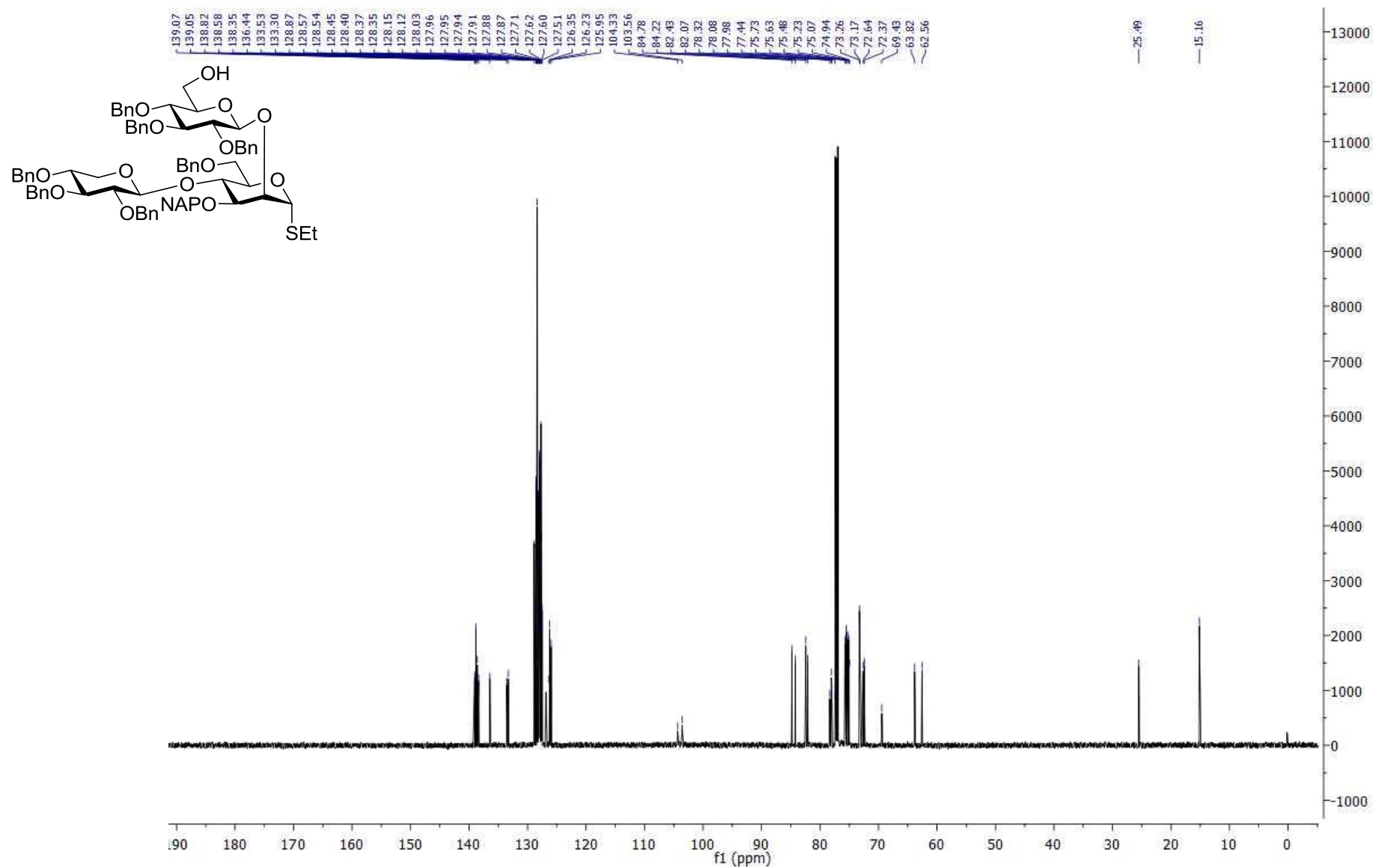


Fig 15: ^1H - ^{13}C HSQC NMR of **8** at 25 °C

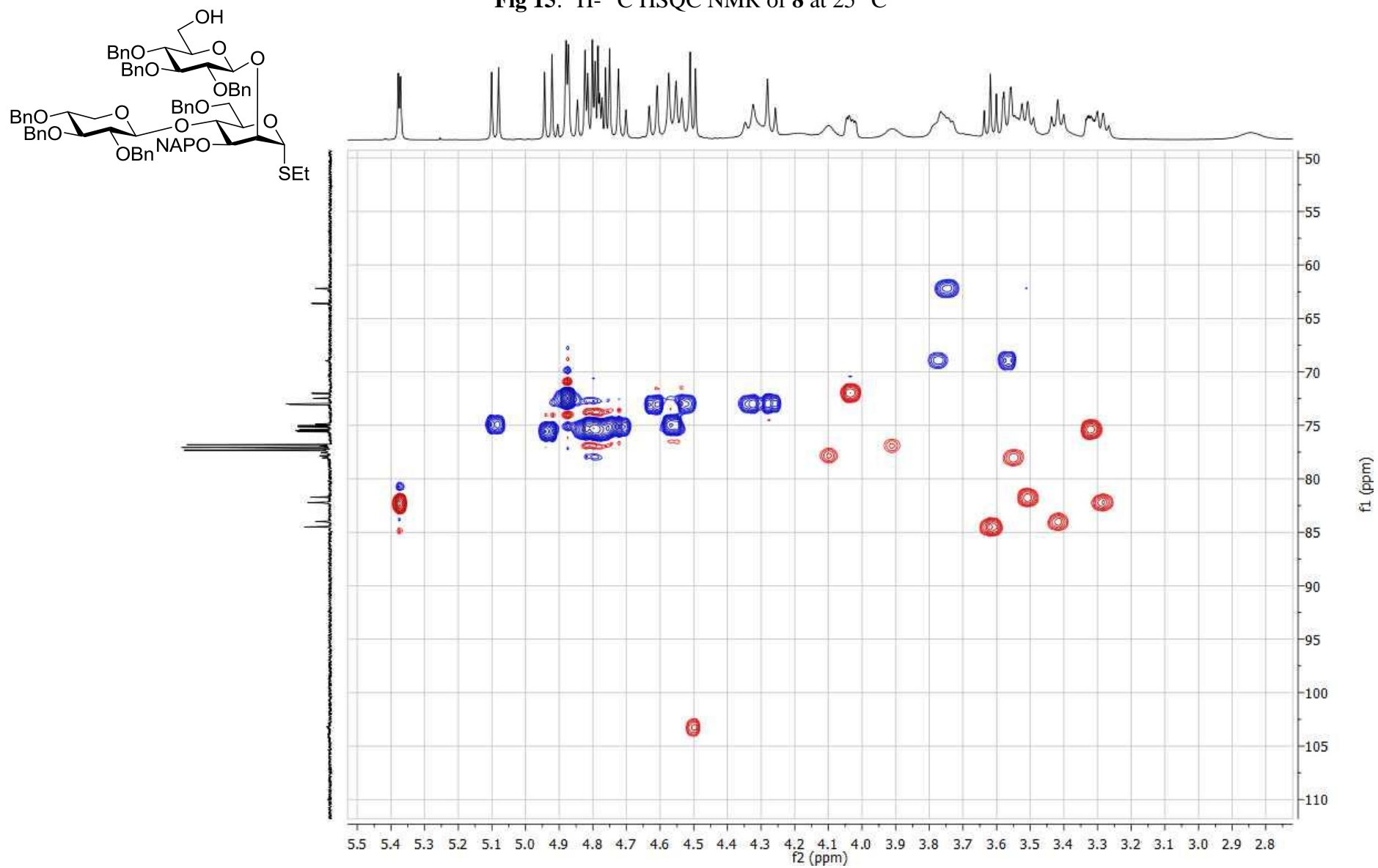


Fig 16: ^1H - ^{13}C HSQC NMR of **8** at 50 °C

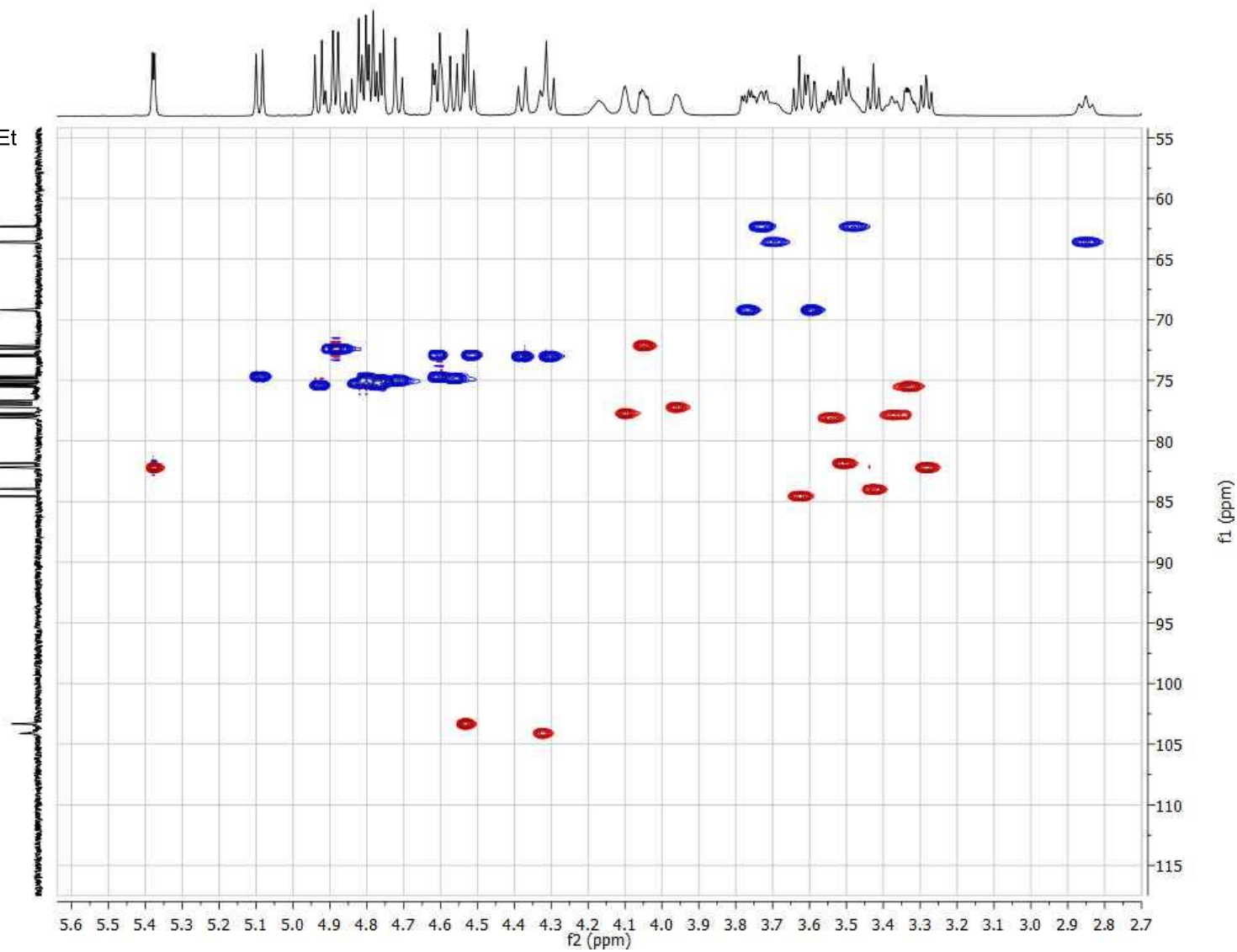
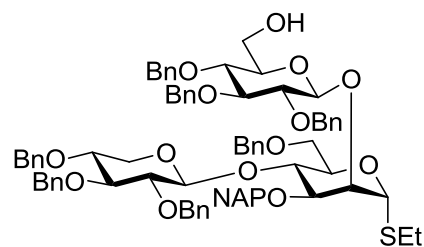


Fig 17: ¹H NMR of **9** at 25 °C

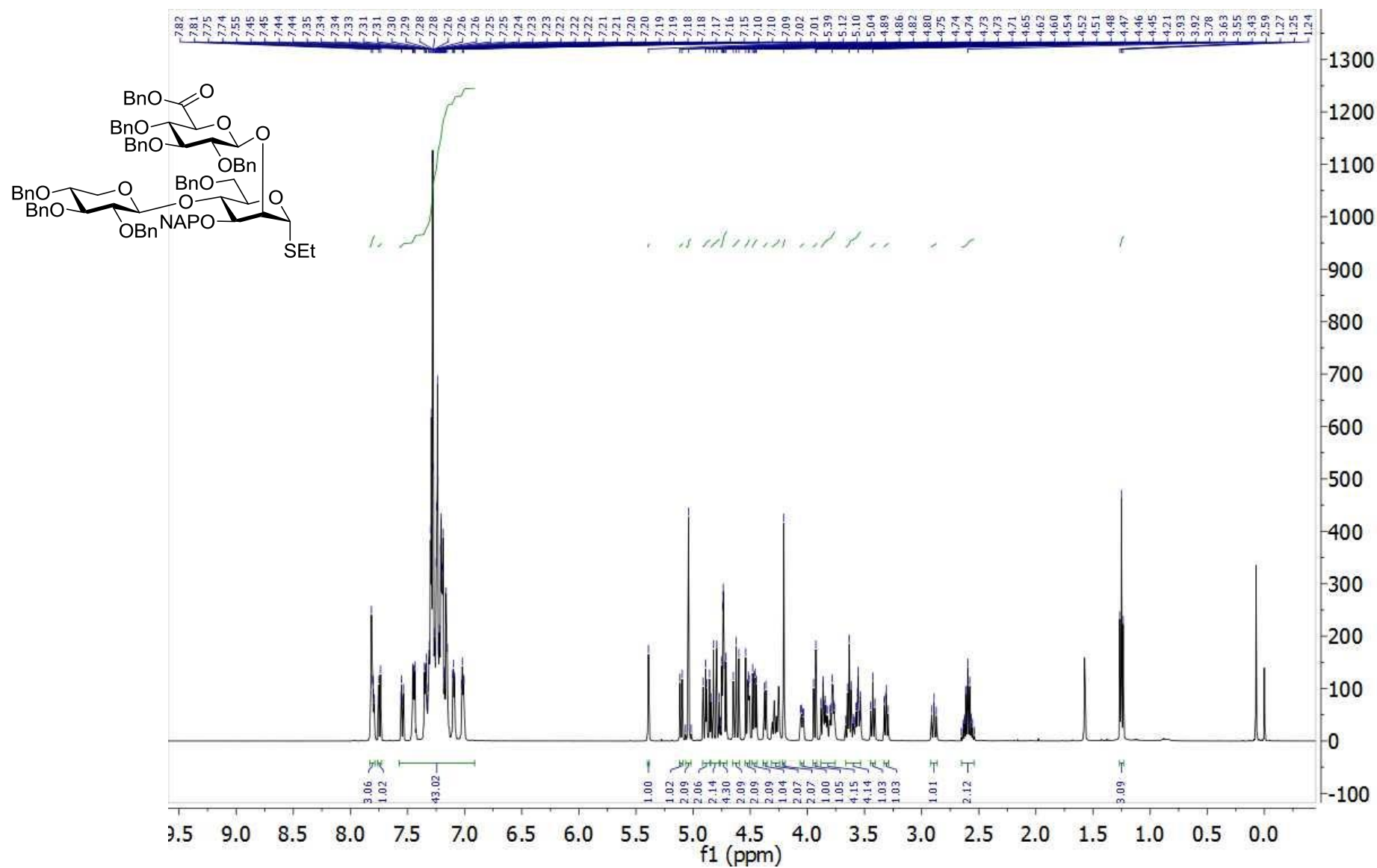


Fig 18: ^{13}C NMR of **9** at 25 °C

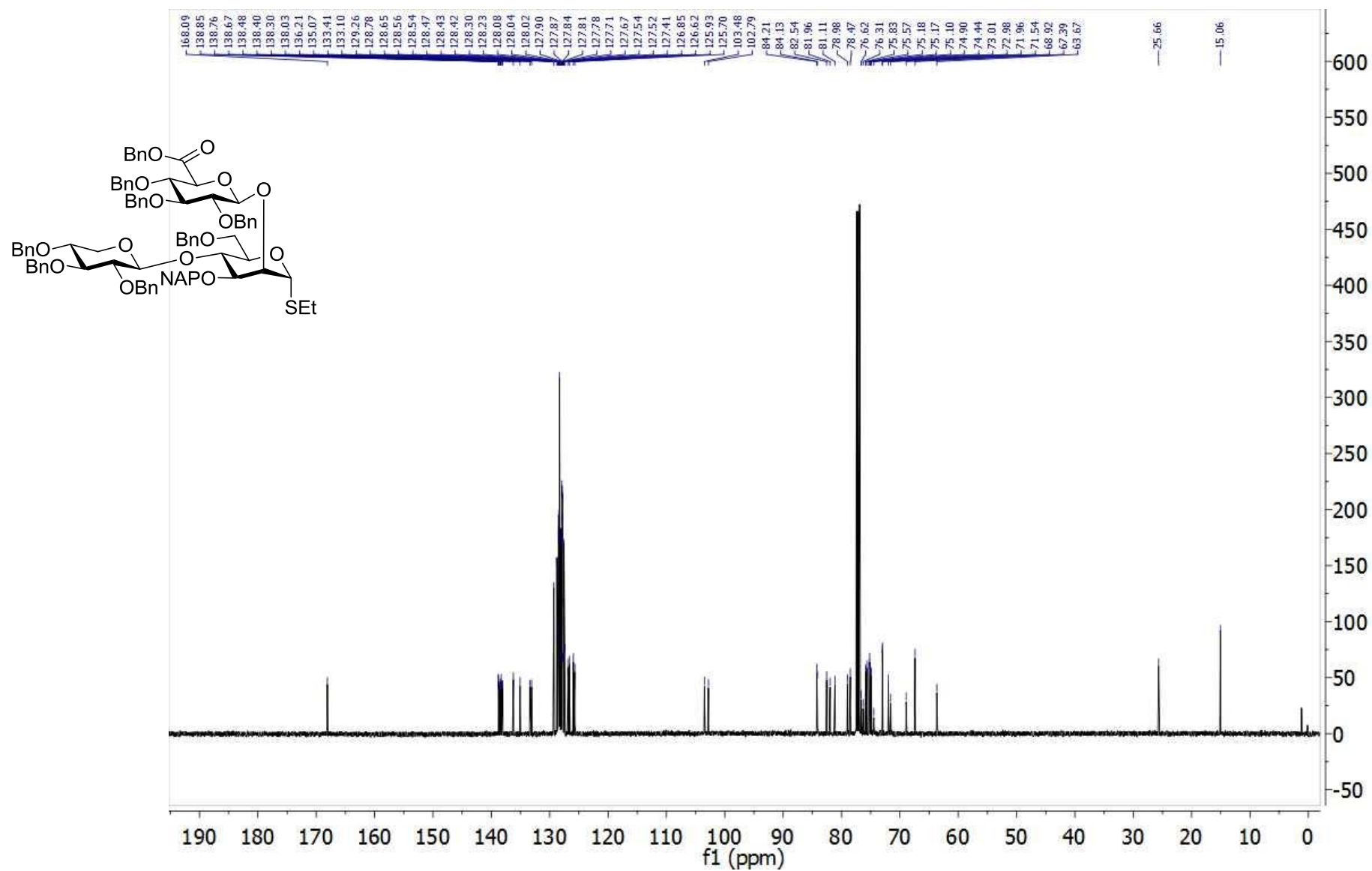


Fig 19: ¹H NMR of 11 at 25 °C

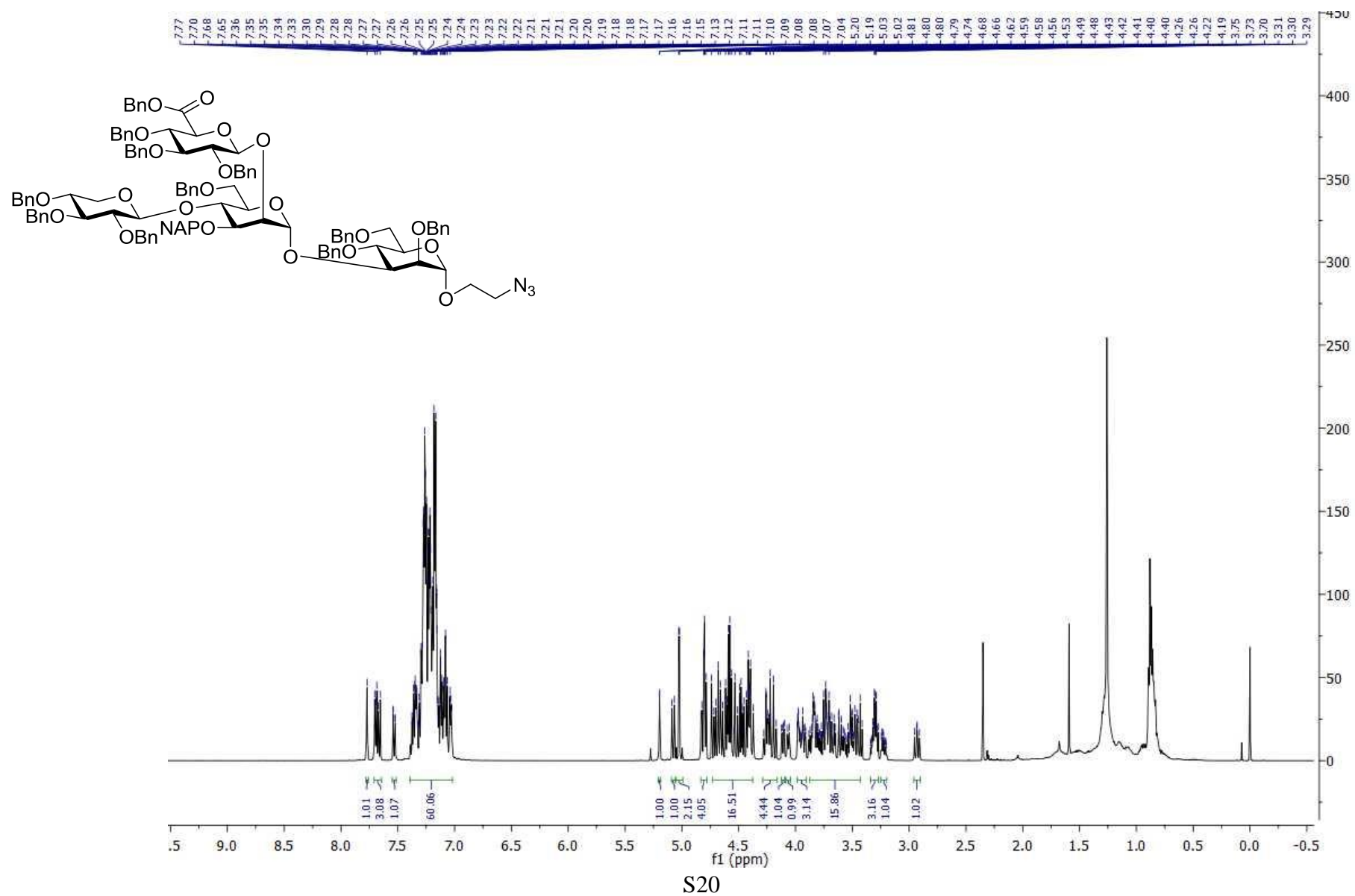


Fig 20: ^{13}C NMR of 11 at 25 °C

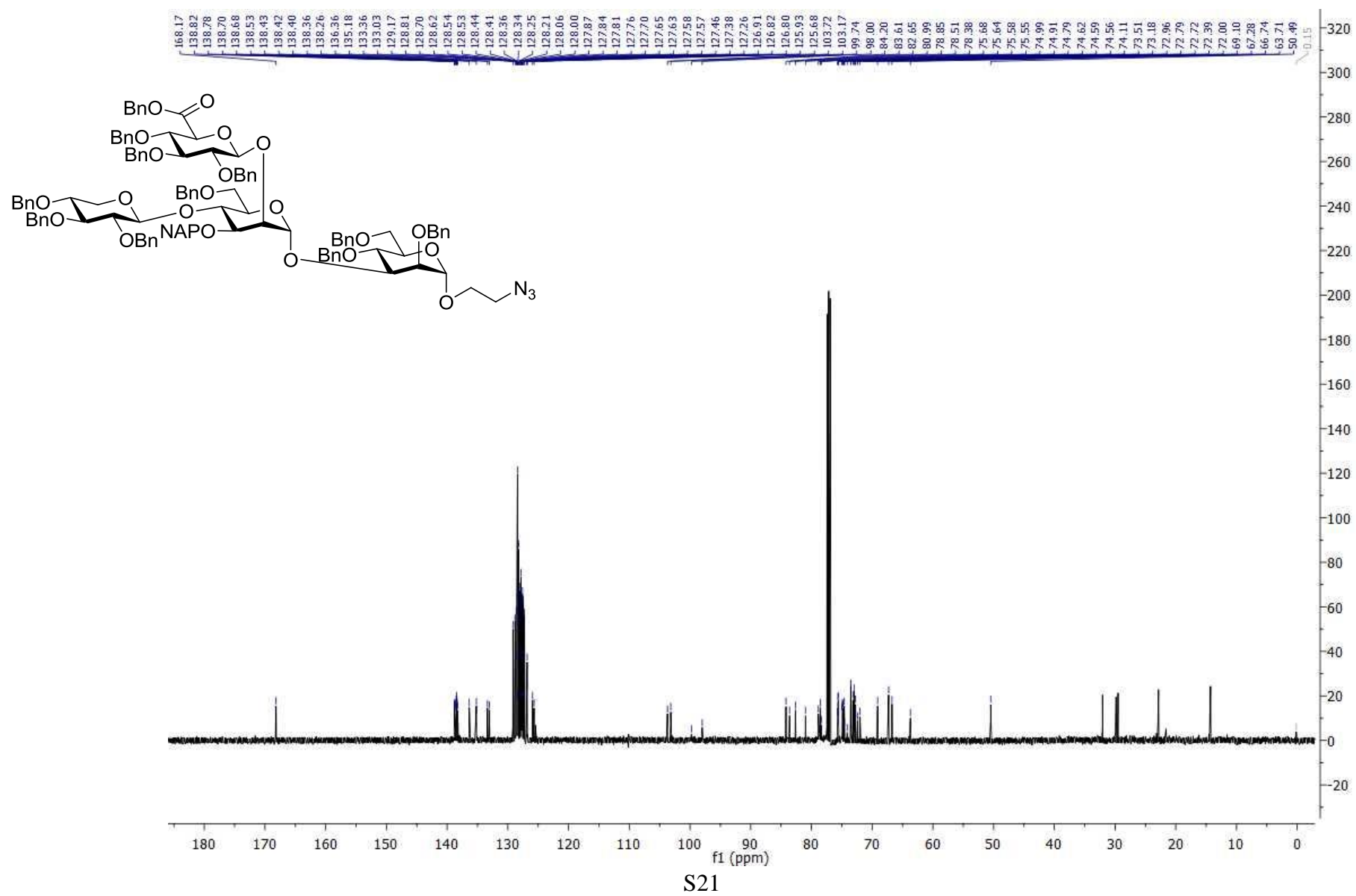


Fig 21: ¹H NMR of 12 at 25 °C

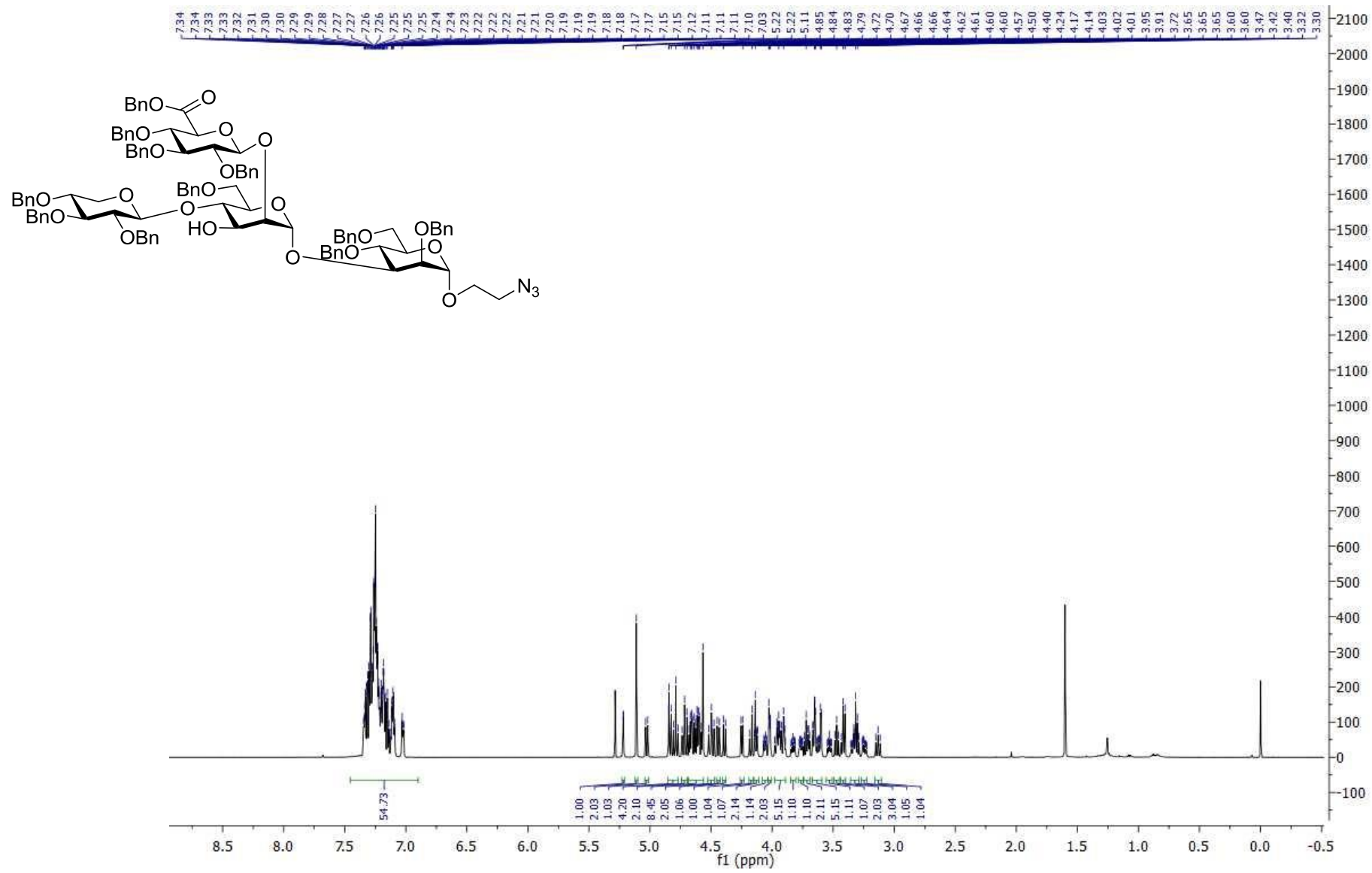


Fig 22: ^{13}C NMR of **12** at 25 °C

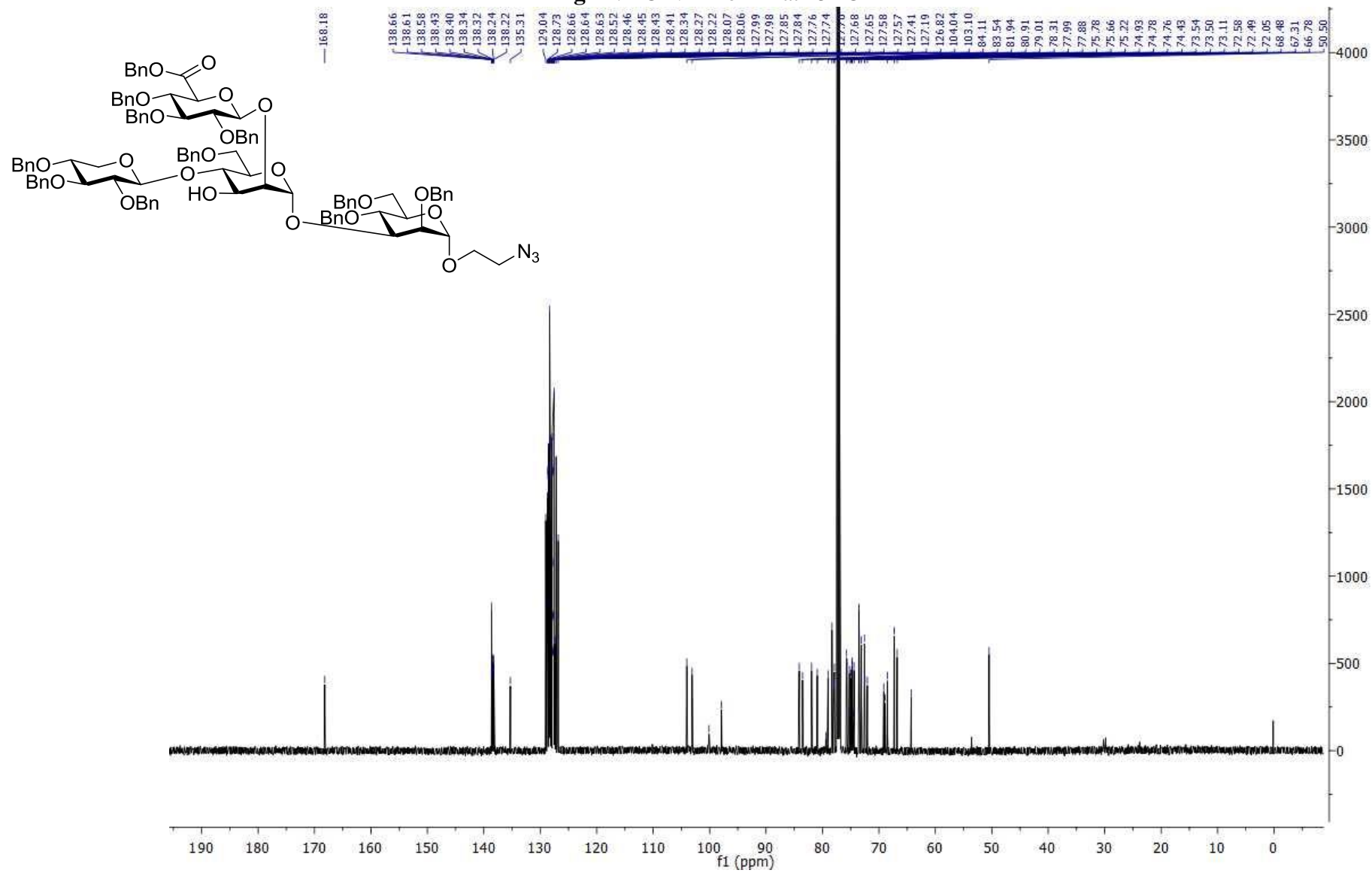


Fig 23: ^1H NMR of **14** at 25 $^\circ\text{C}$

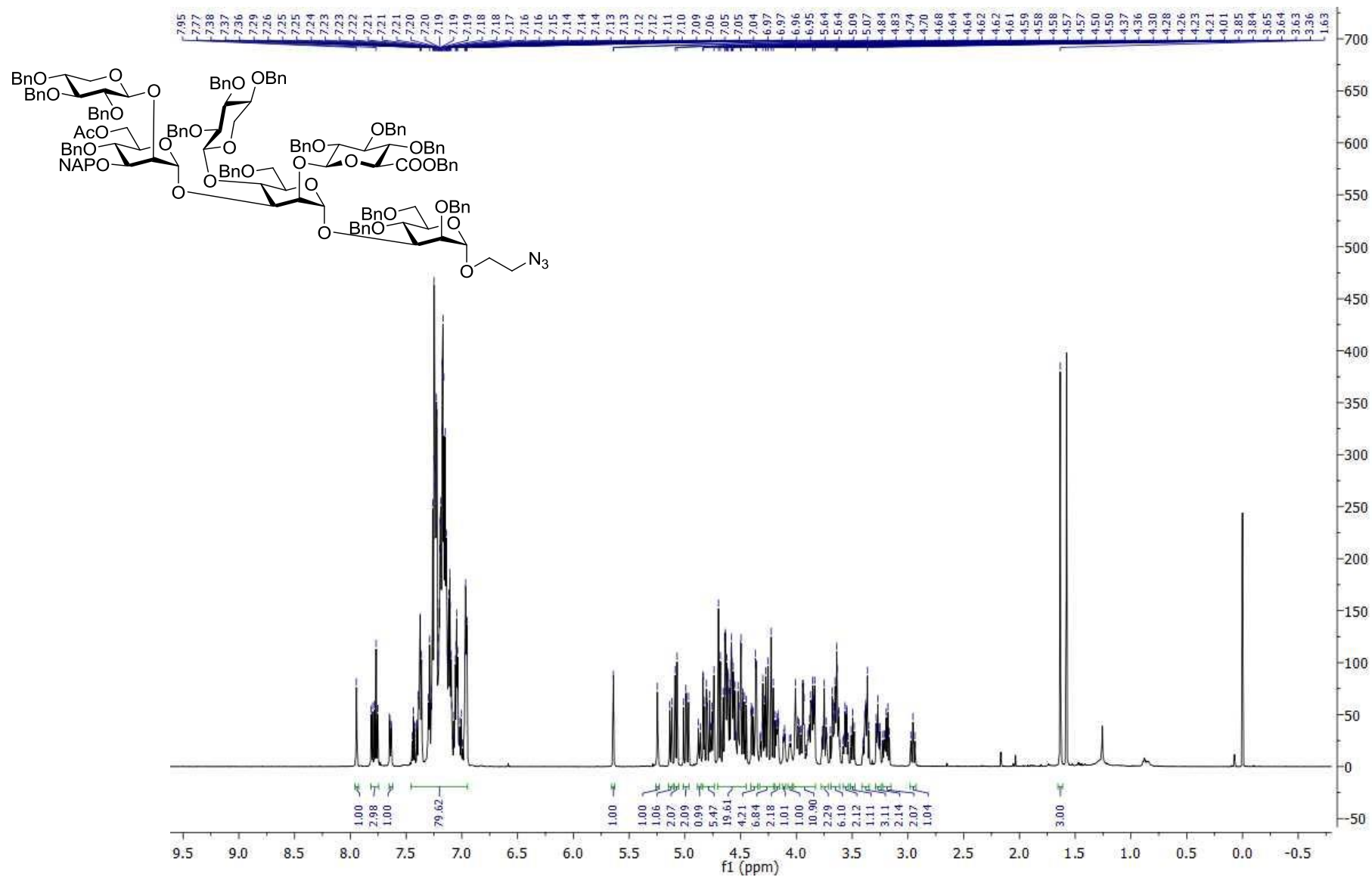


Fig 24: ^{13}C NMR of **14** at 25 °C

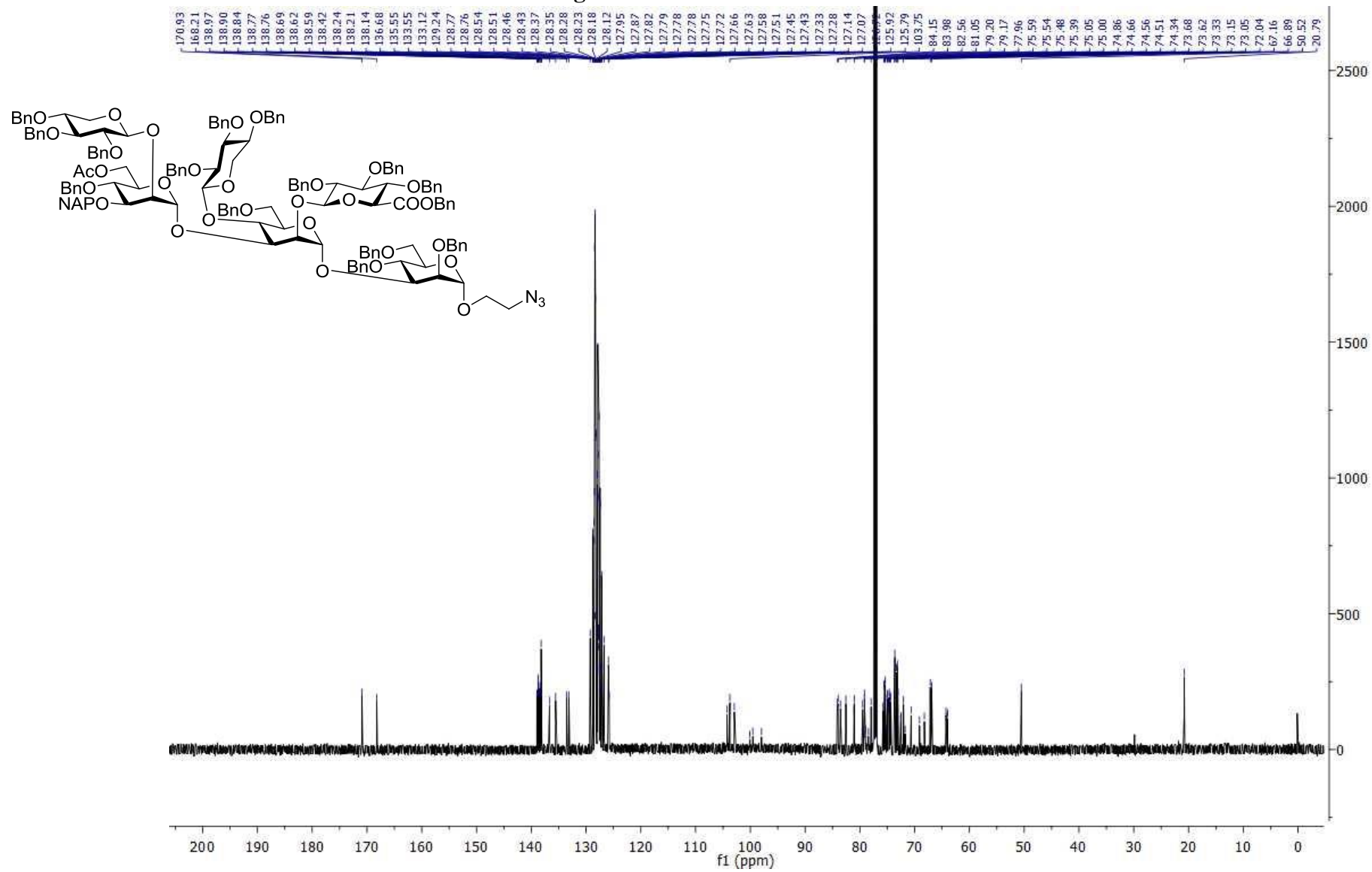


Fig 25: ¹H NMR of 15 at 25 °C

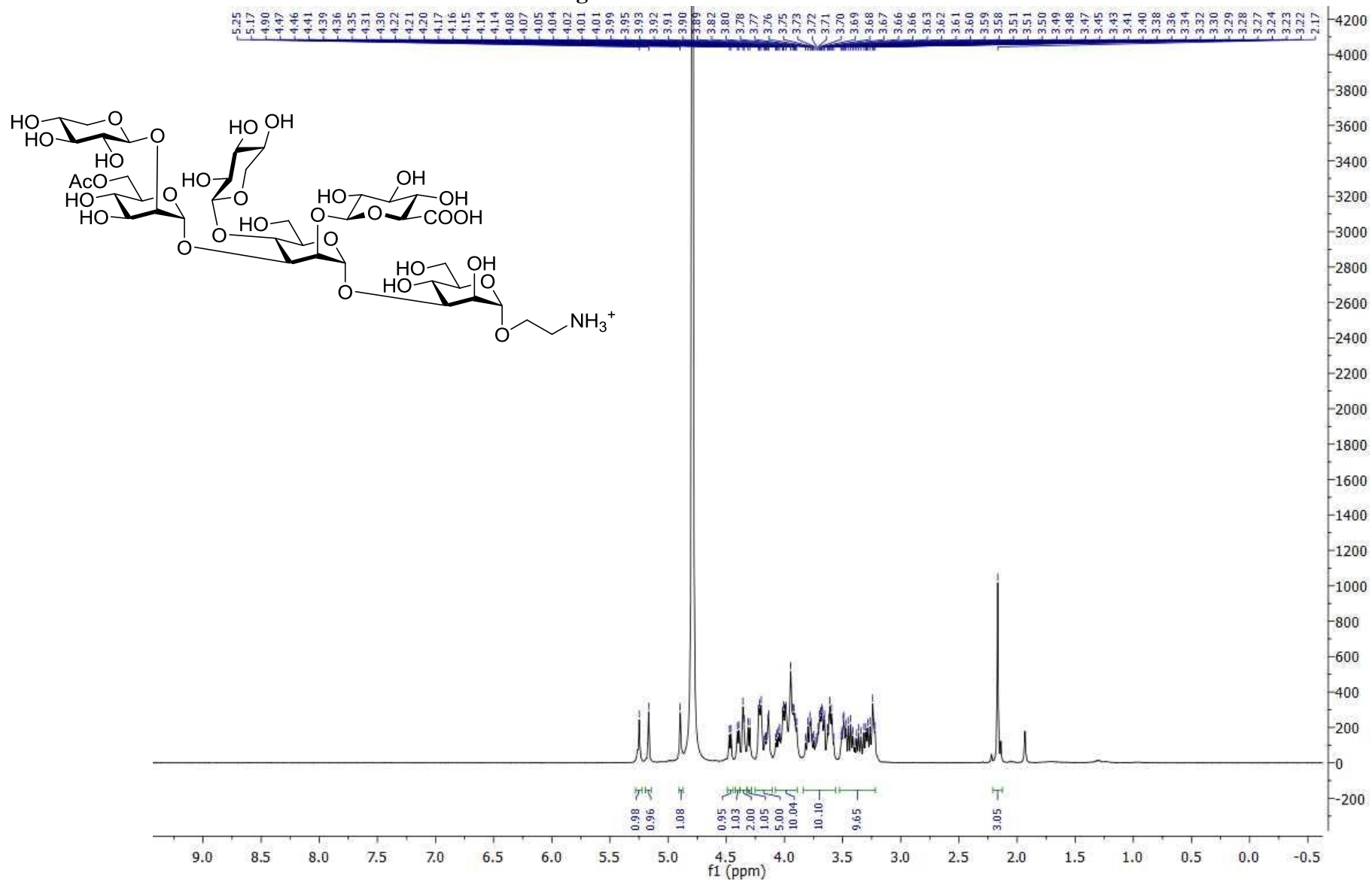


Fig 26: ^1H - ^{13}C HSQC NMR of **15** at 25 °C

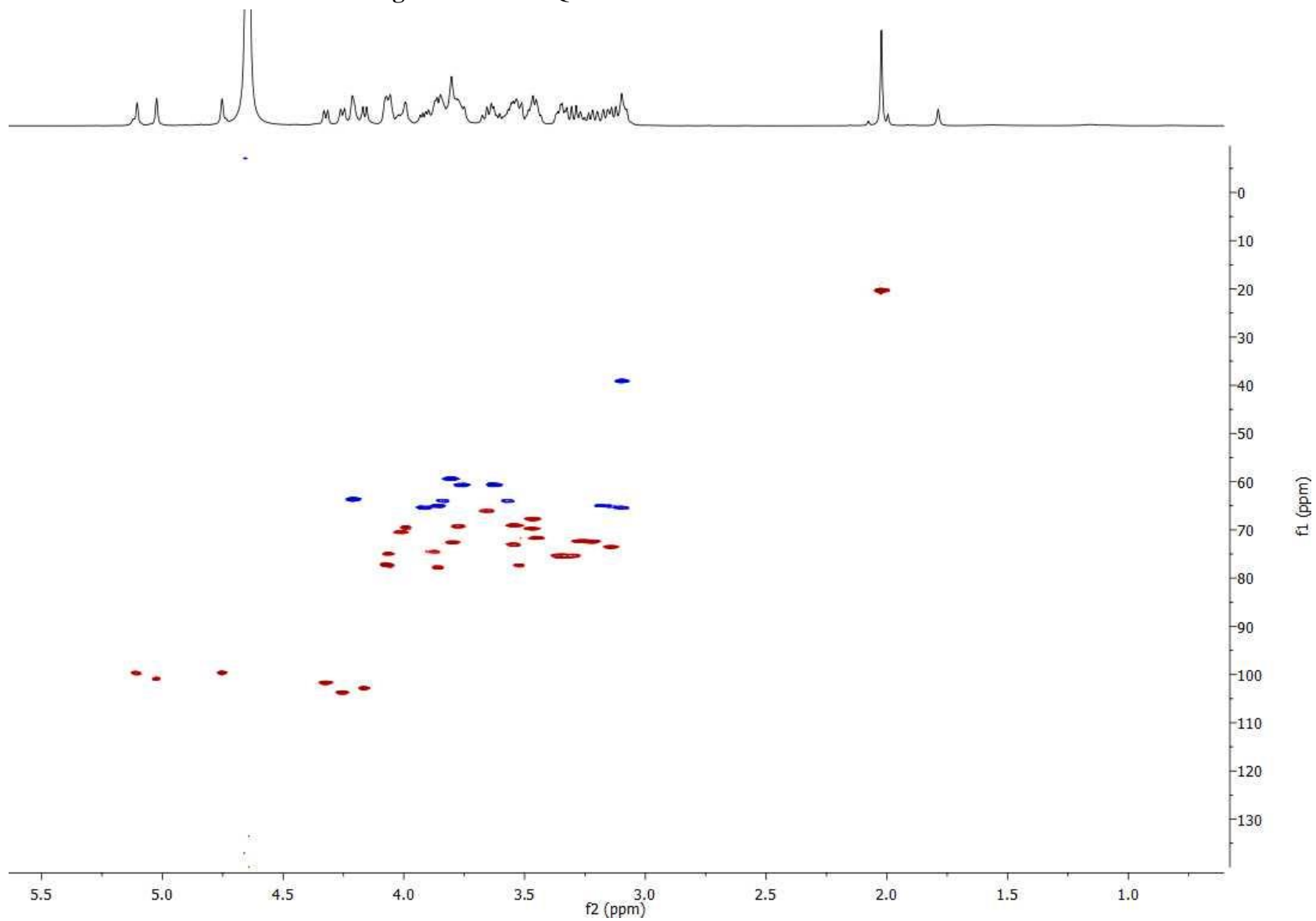


Fig 27: ¹H NMR of 17 at 25 °C

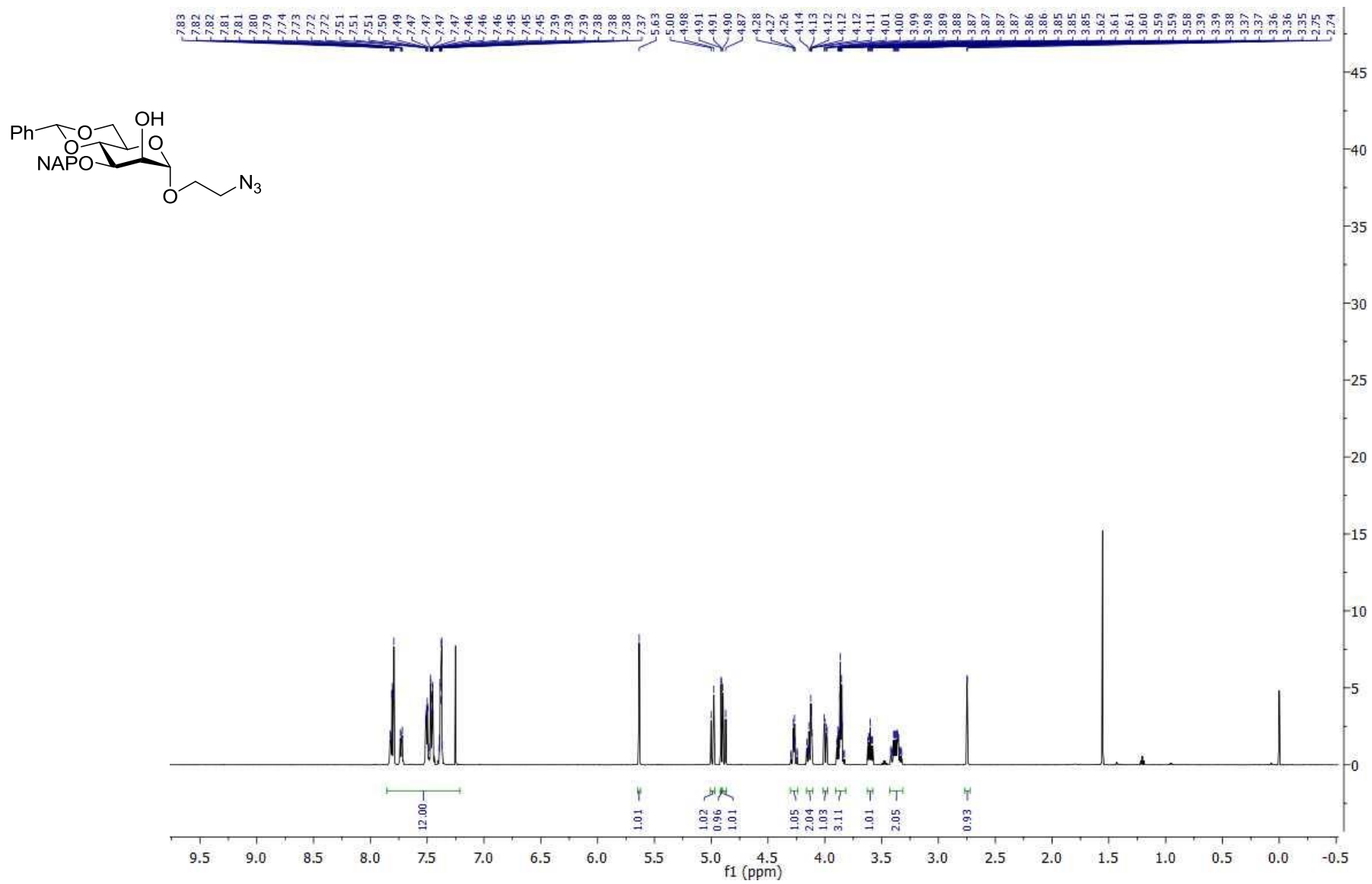


Fig 28: ^{13}C NMR of **17** at 25 °C

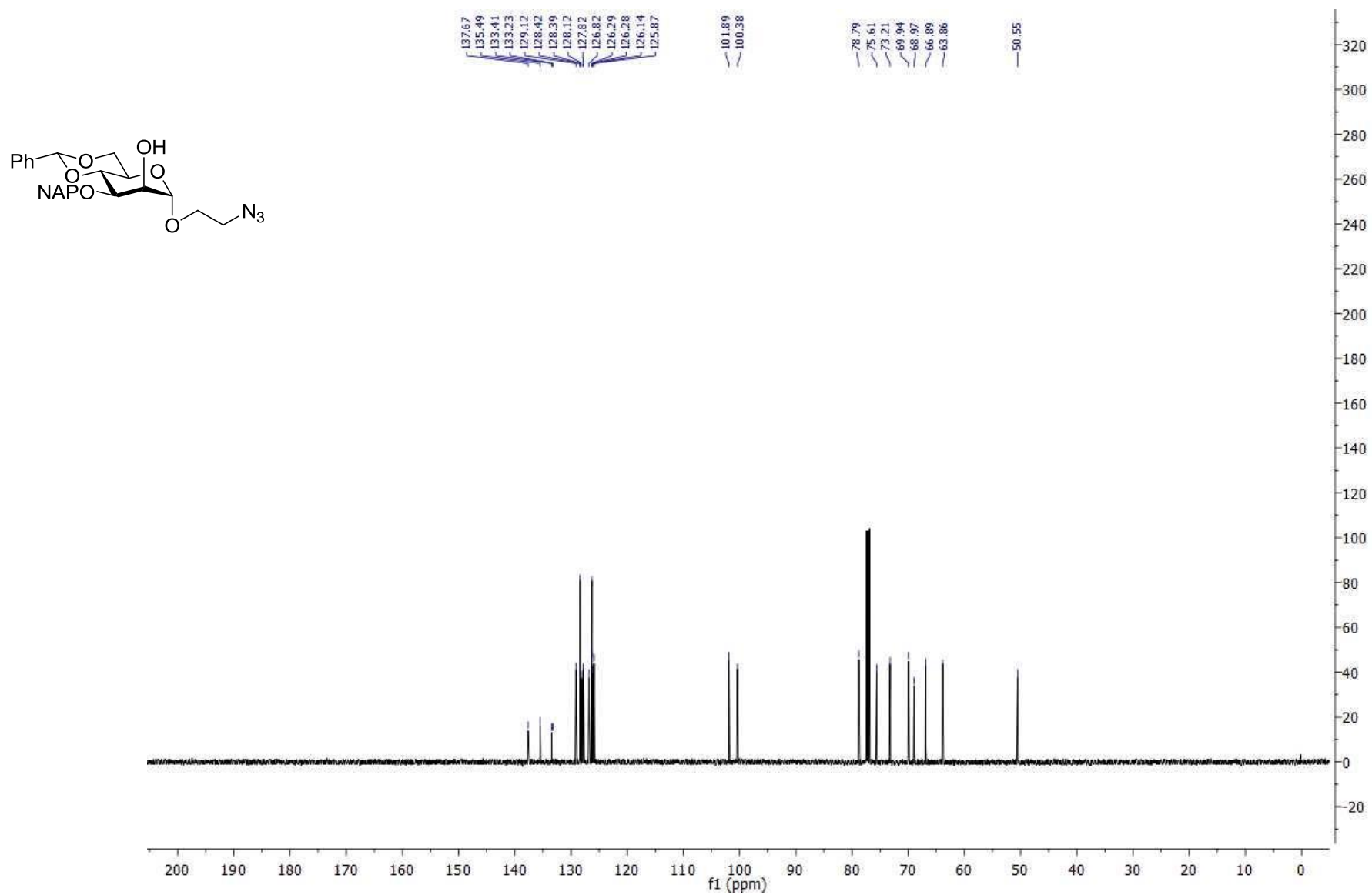


Fig 29: ¹H NMR of 18 at 25 °C

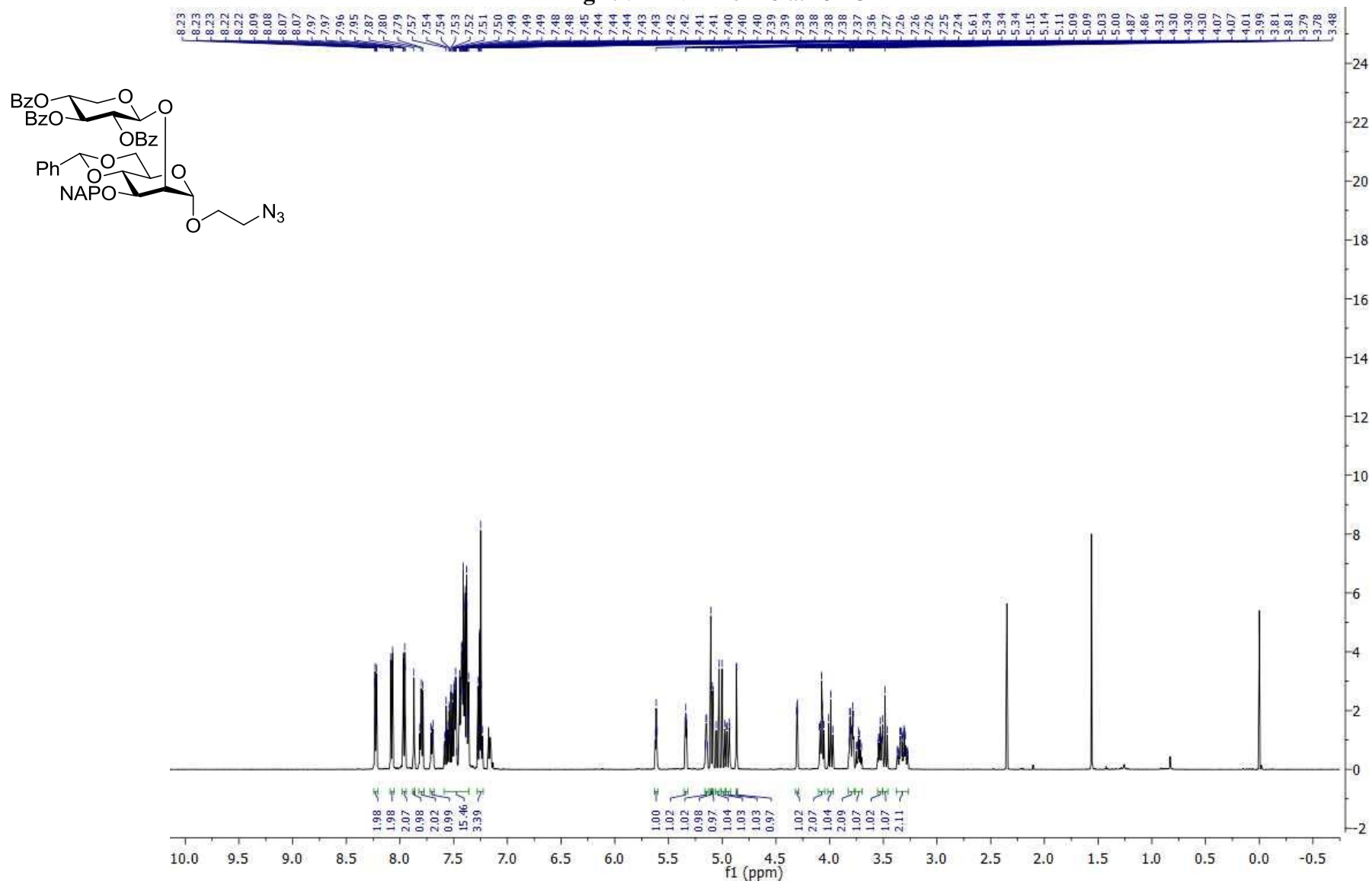


Fig 30: ^{13}C NMR of **18** at 25 °C

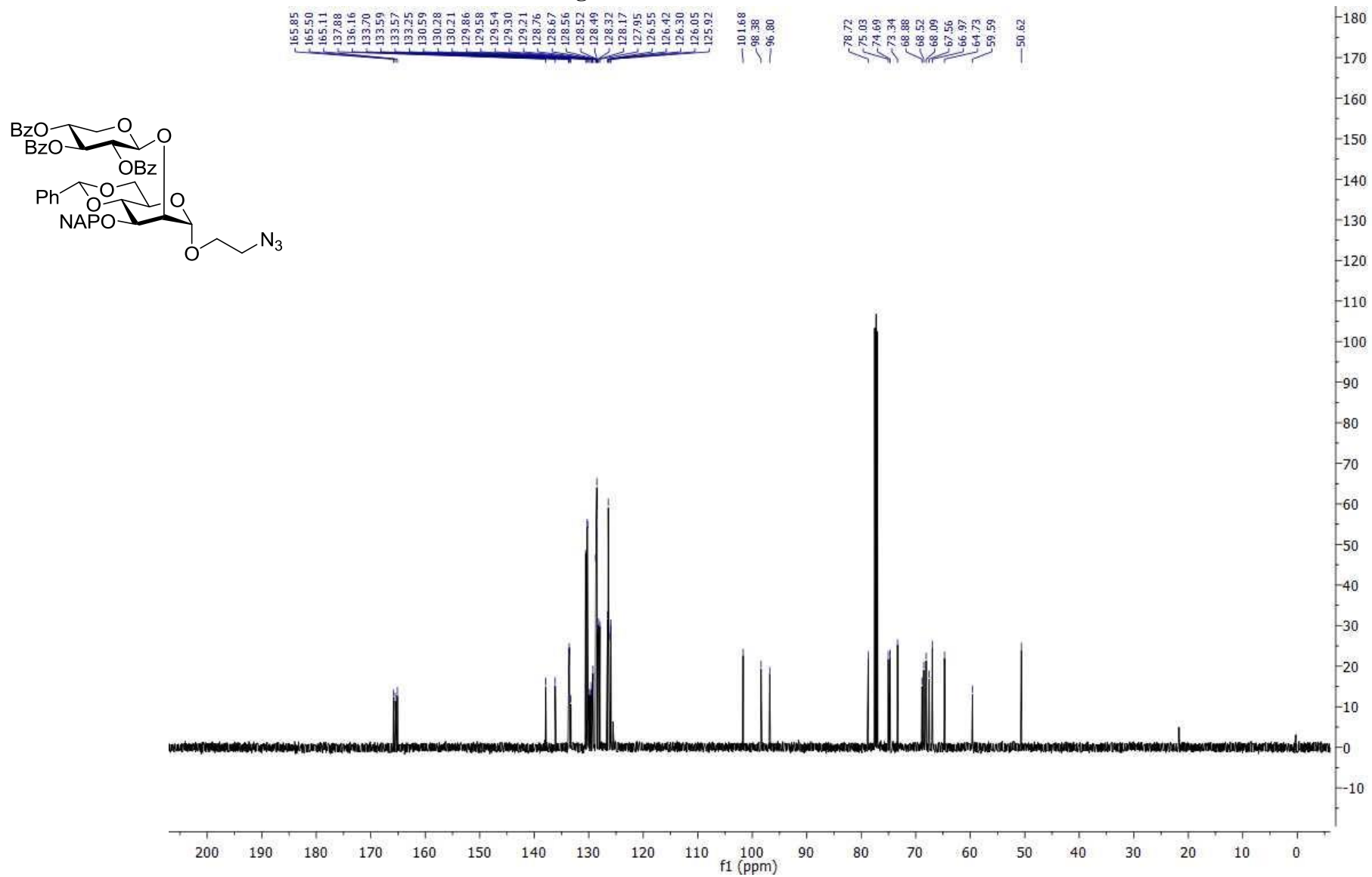


Fig 32: ^{13}C NMR of **19** at 25 °C

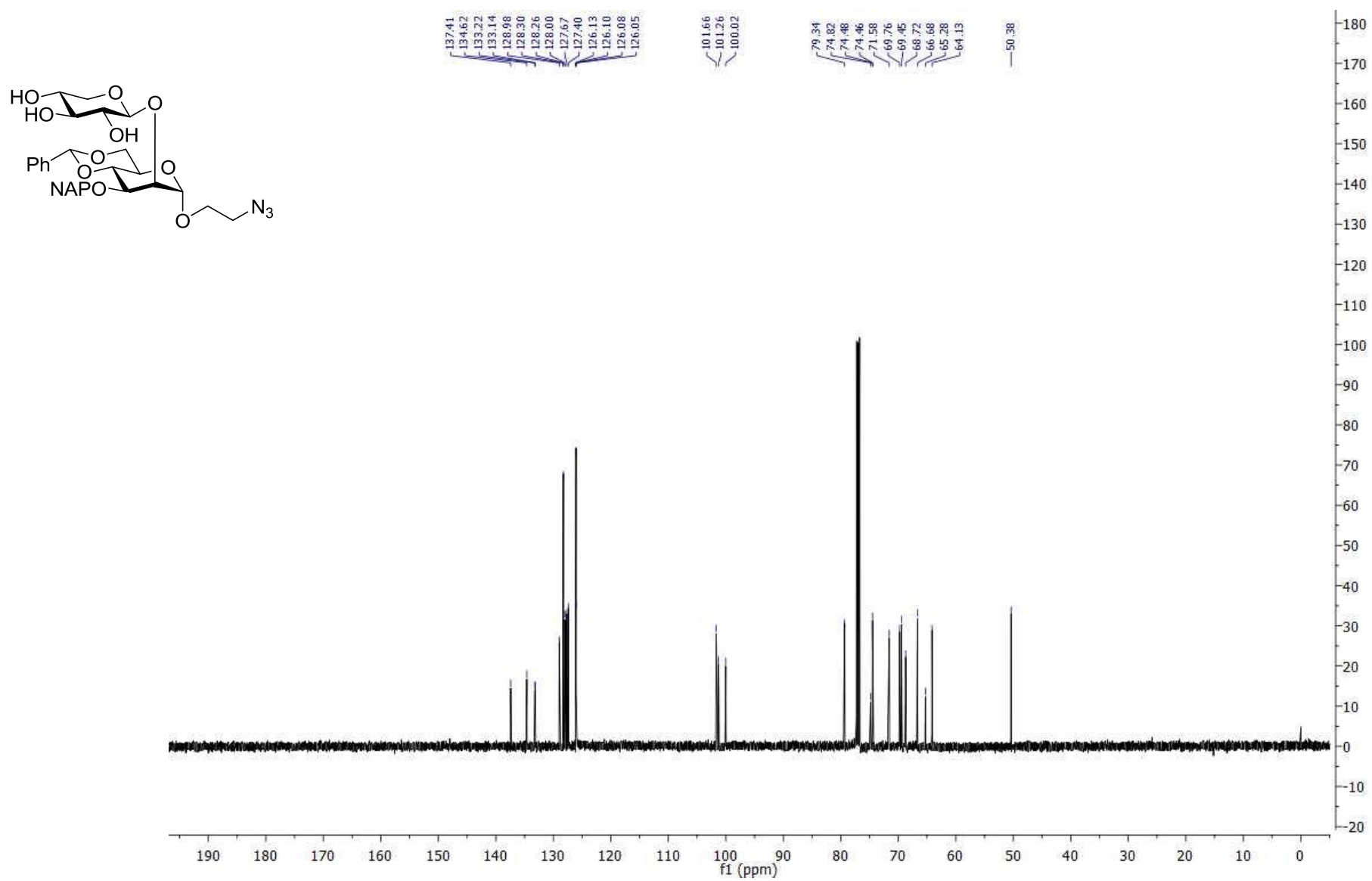


Fig 33: ¹H NMR of 20 at 25 °C

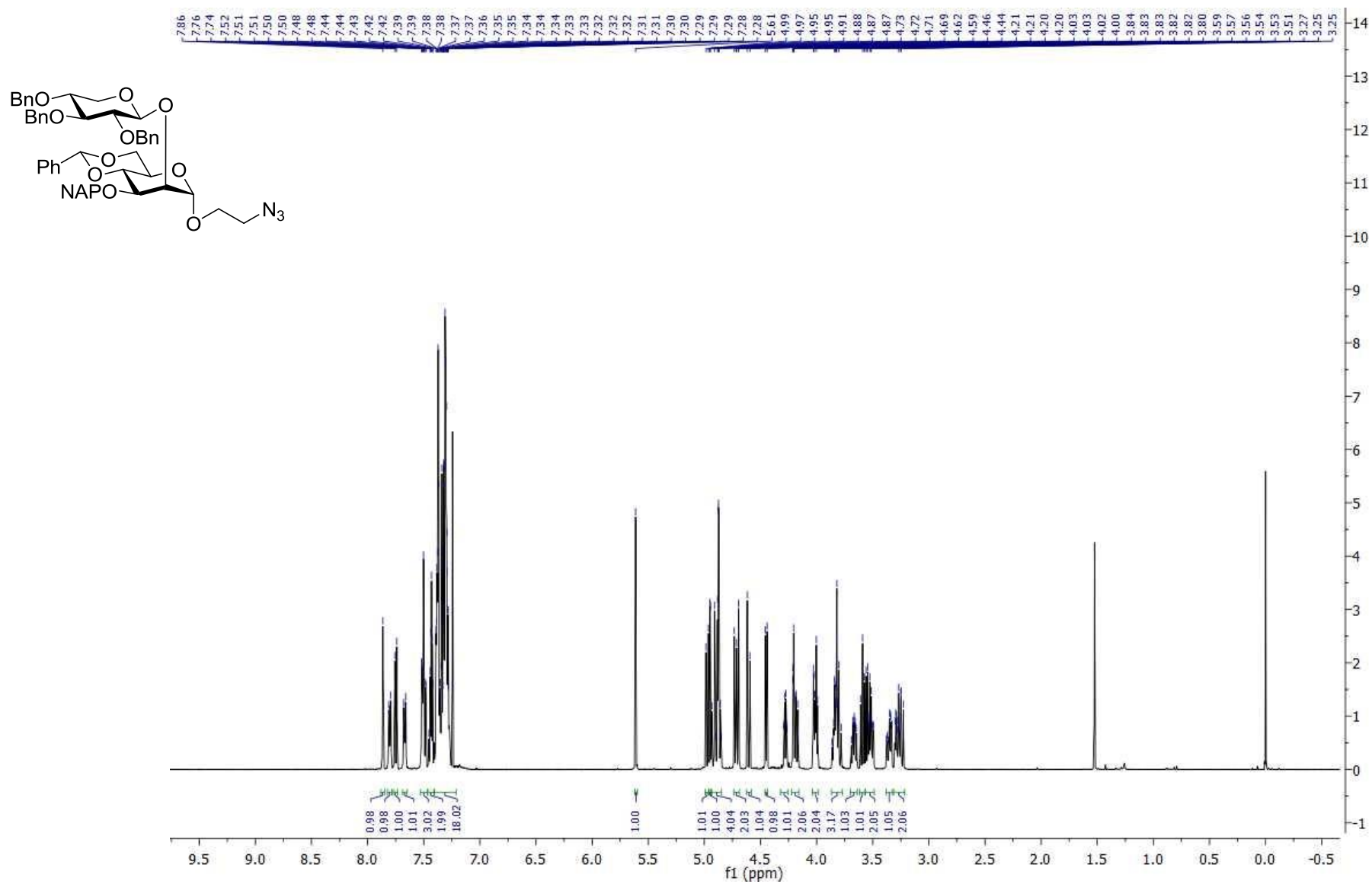


Fig 34: ^{13}C NMR of **20** at 25 °C

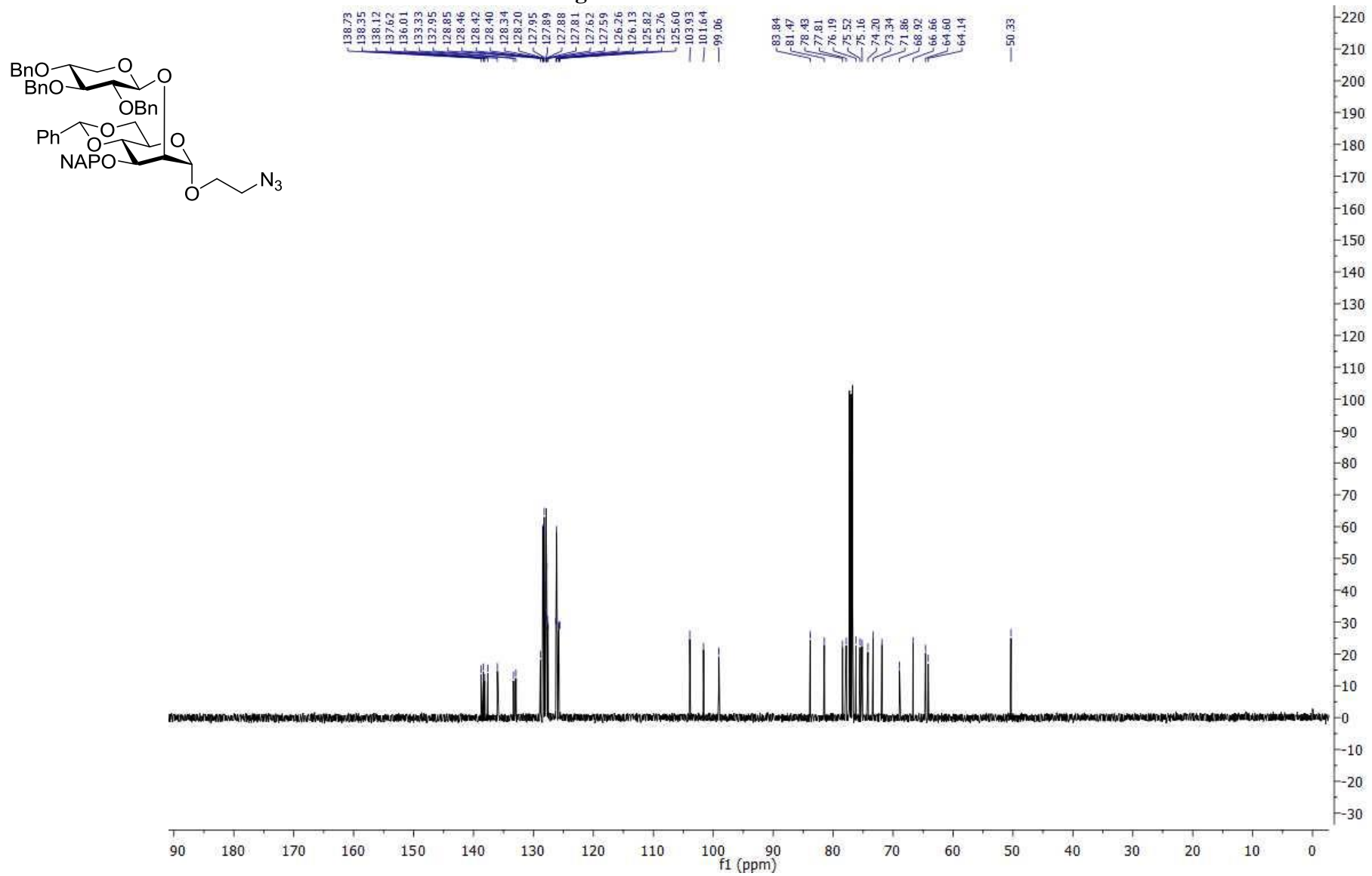


Fig 35: ¹H NMR of **21** at 25 °C

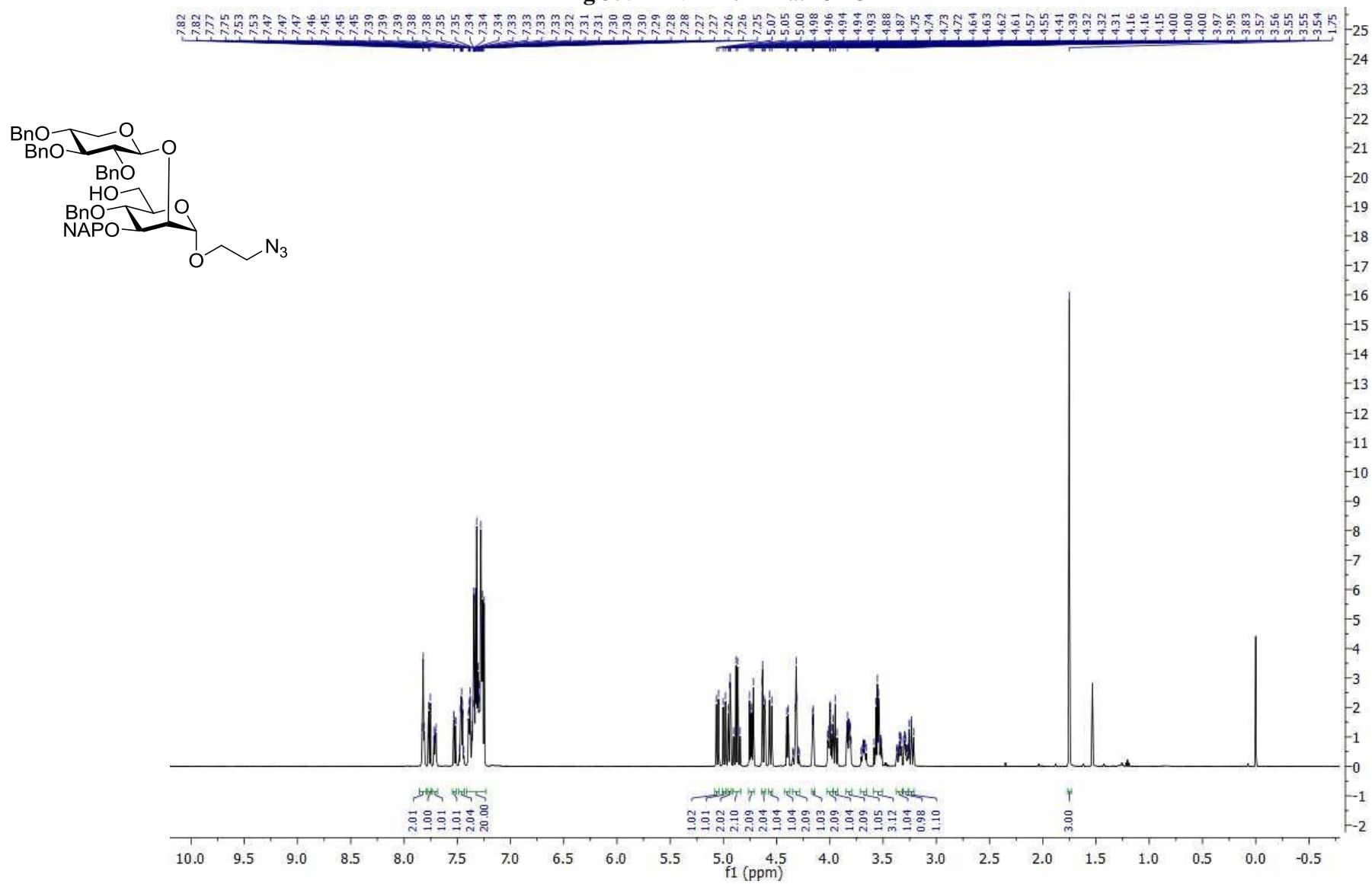


Fig 36: ^{13}C NMR of **21** at 25 °C

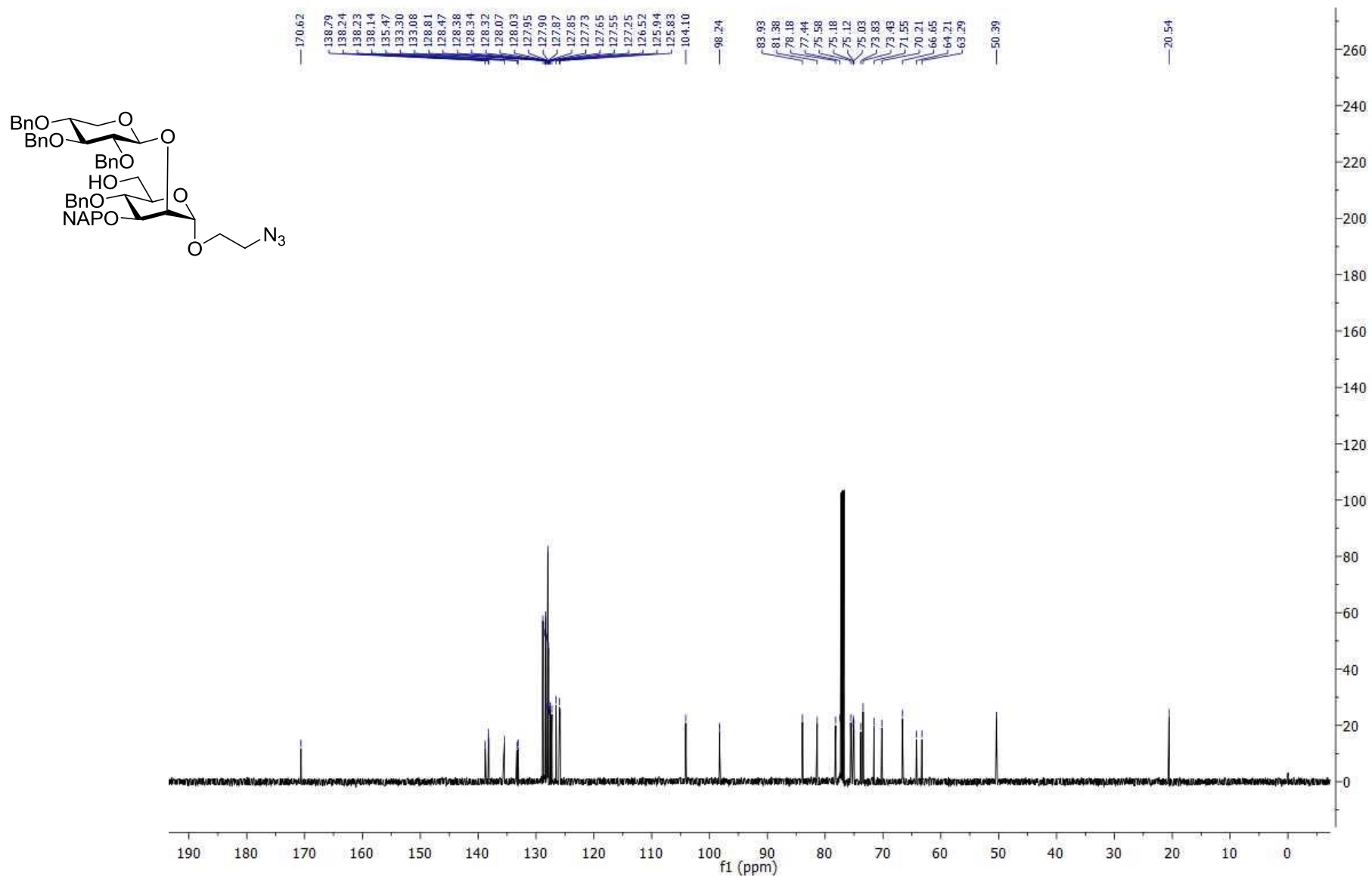


Fig 38: ^{13}C NMR of **22** at 25 °C

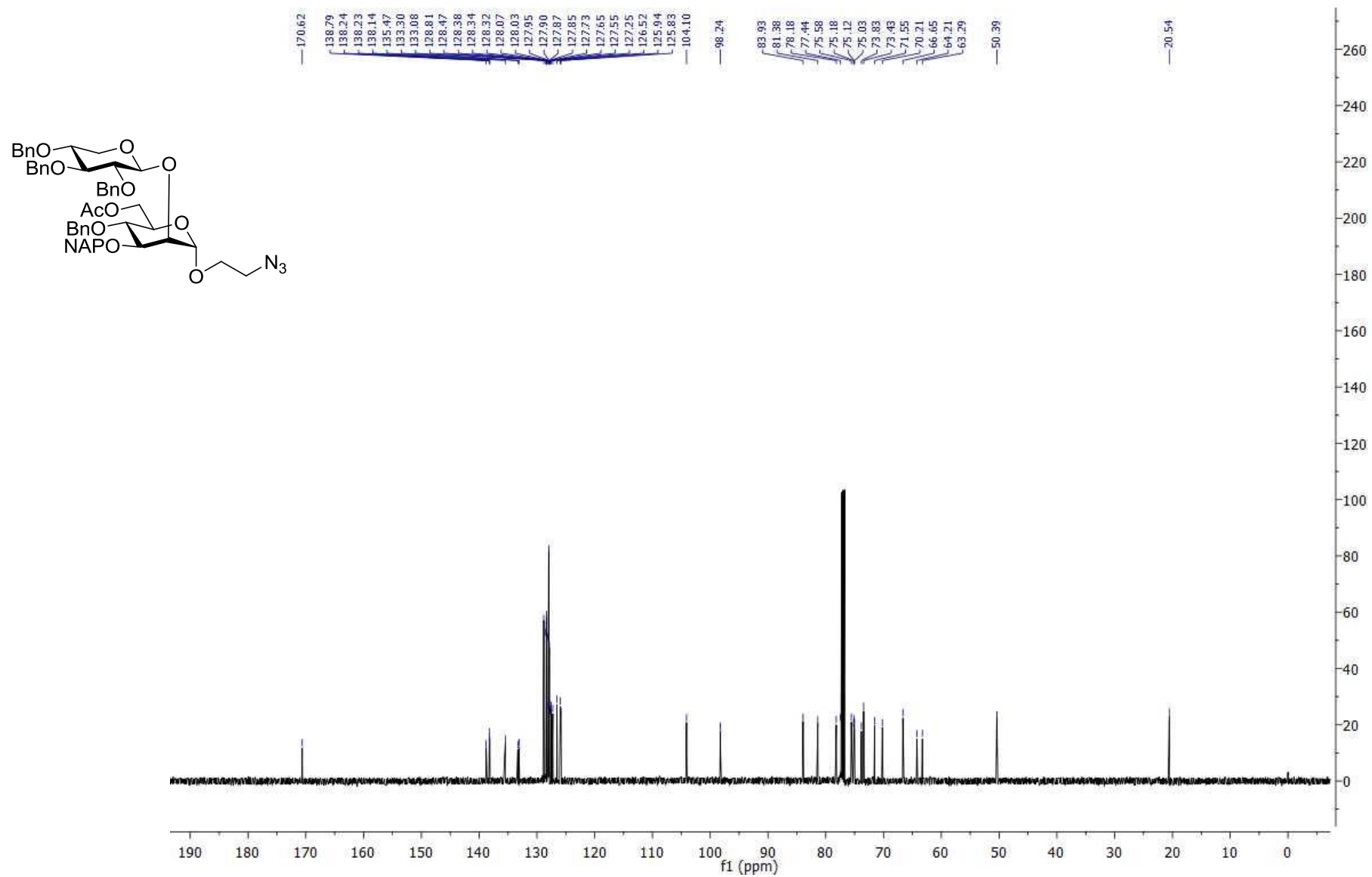


Fig 39: ¹H NMR of **23** at 25 °C

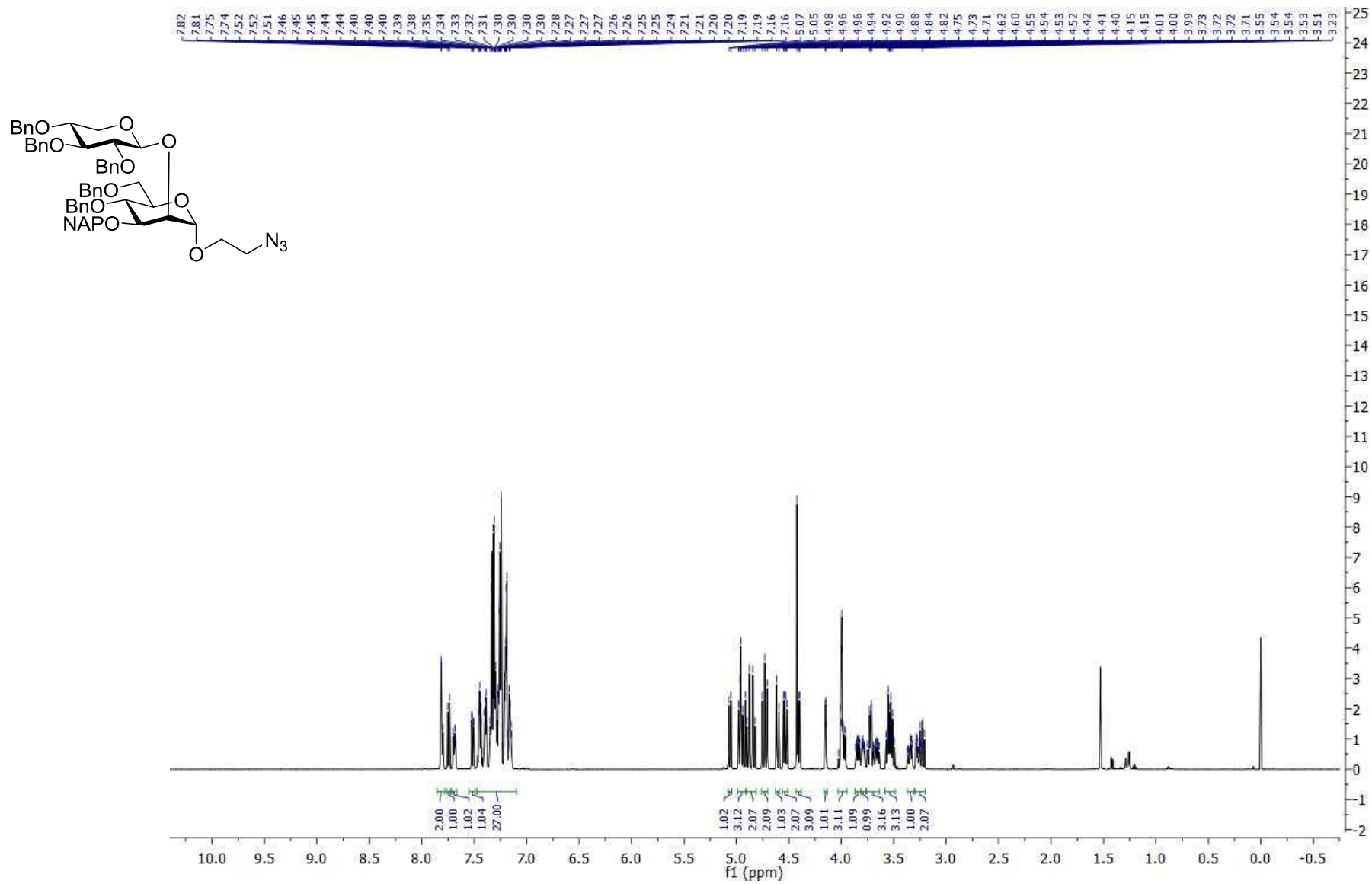


Fig 40: ^{13}C NMR of **23** at 25 °C

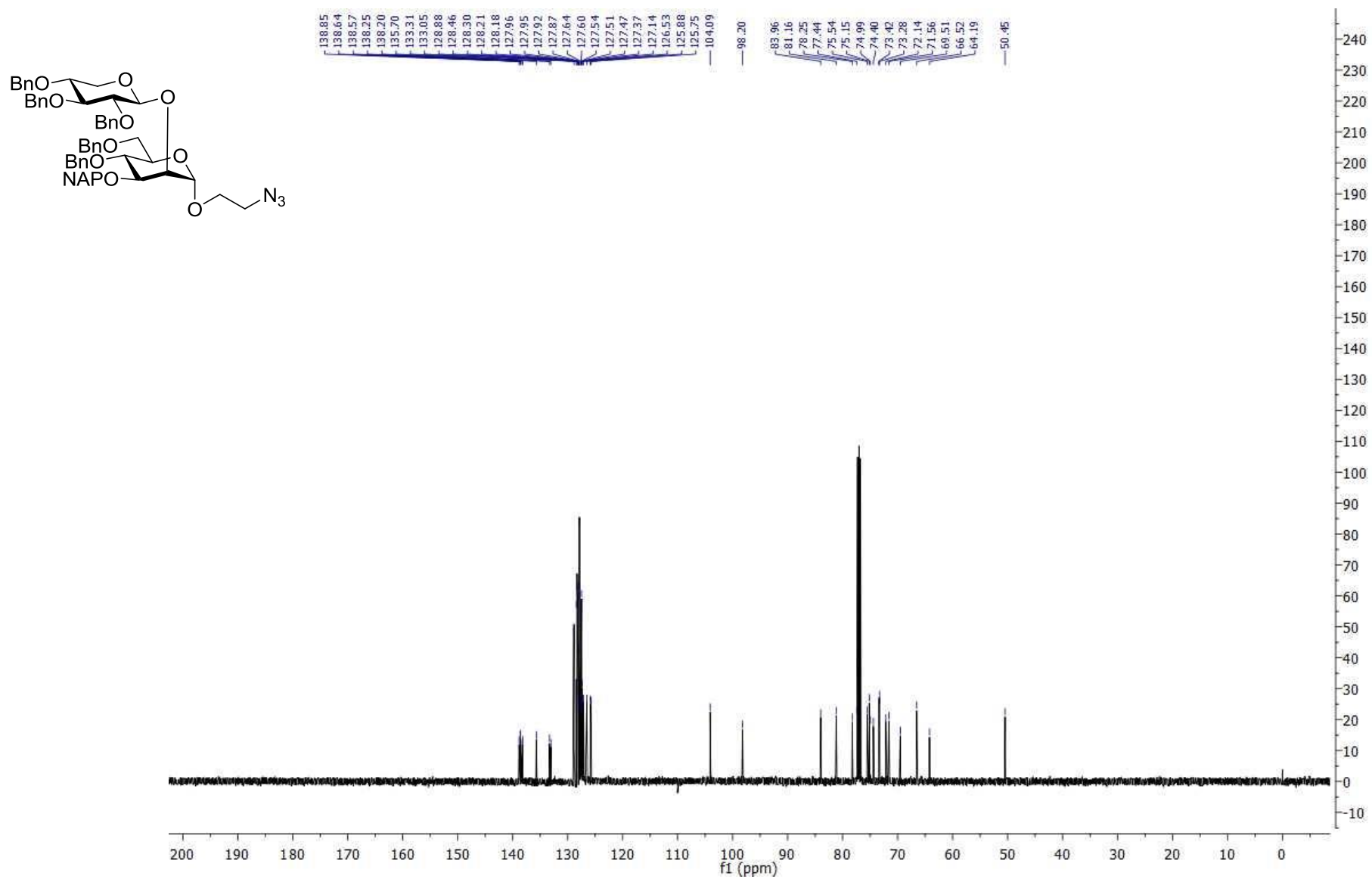
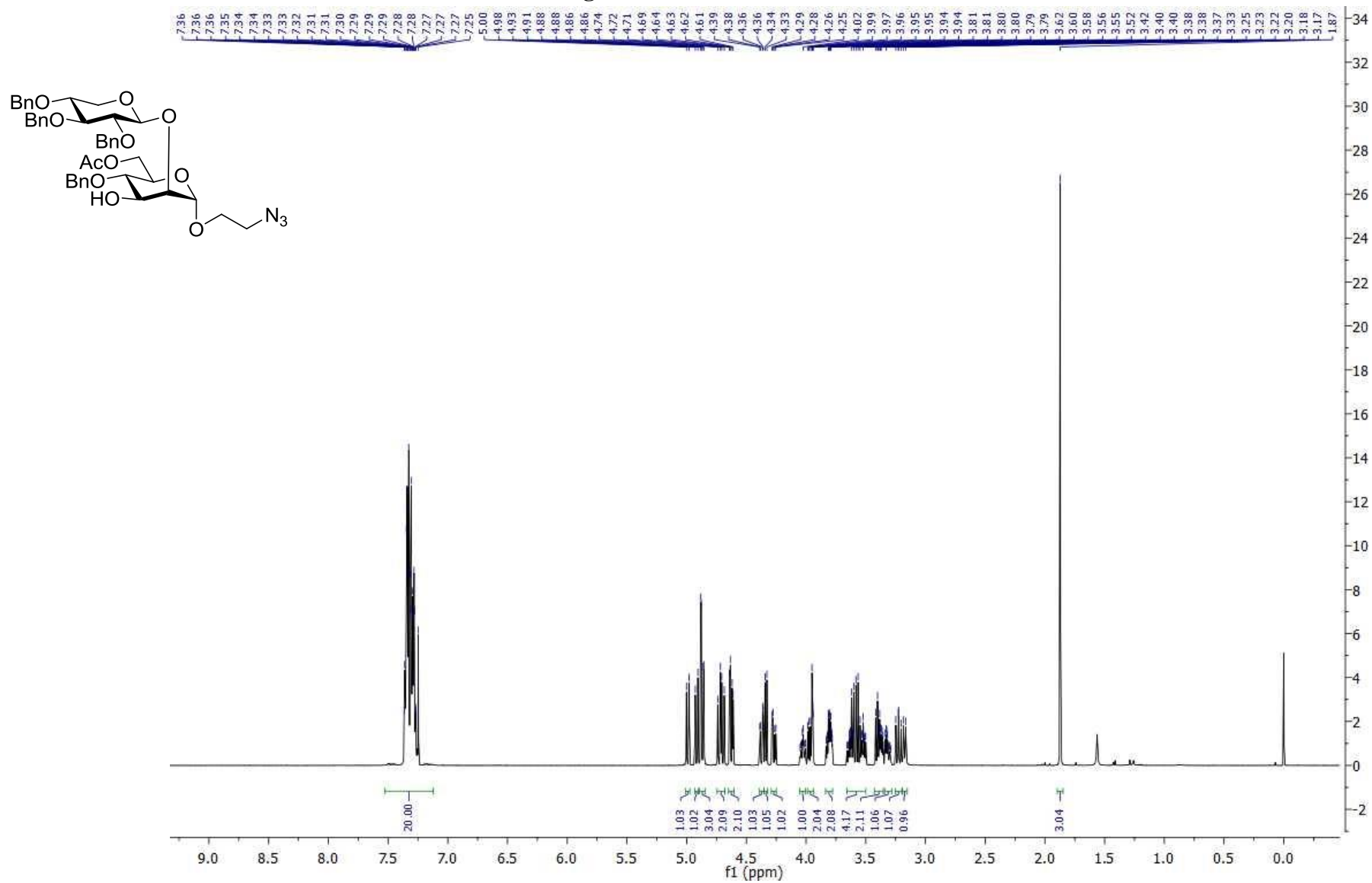


Fig 41: ¹H NMR of 24 at 25 °C



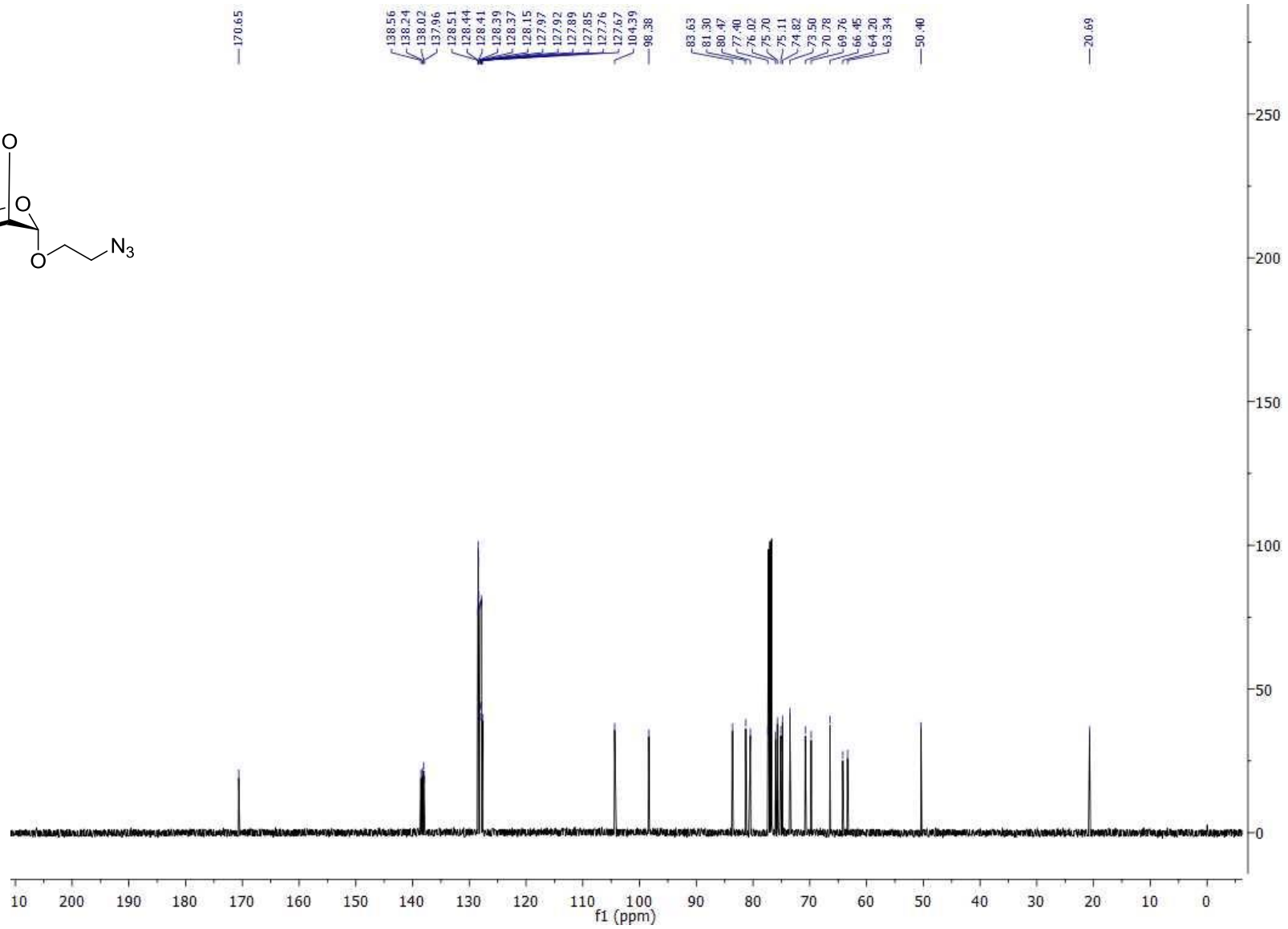
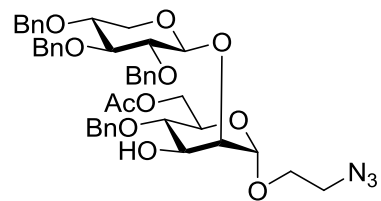


Fig 43: ¹H NMR of 26 at 25 °C

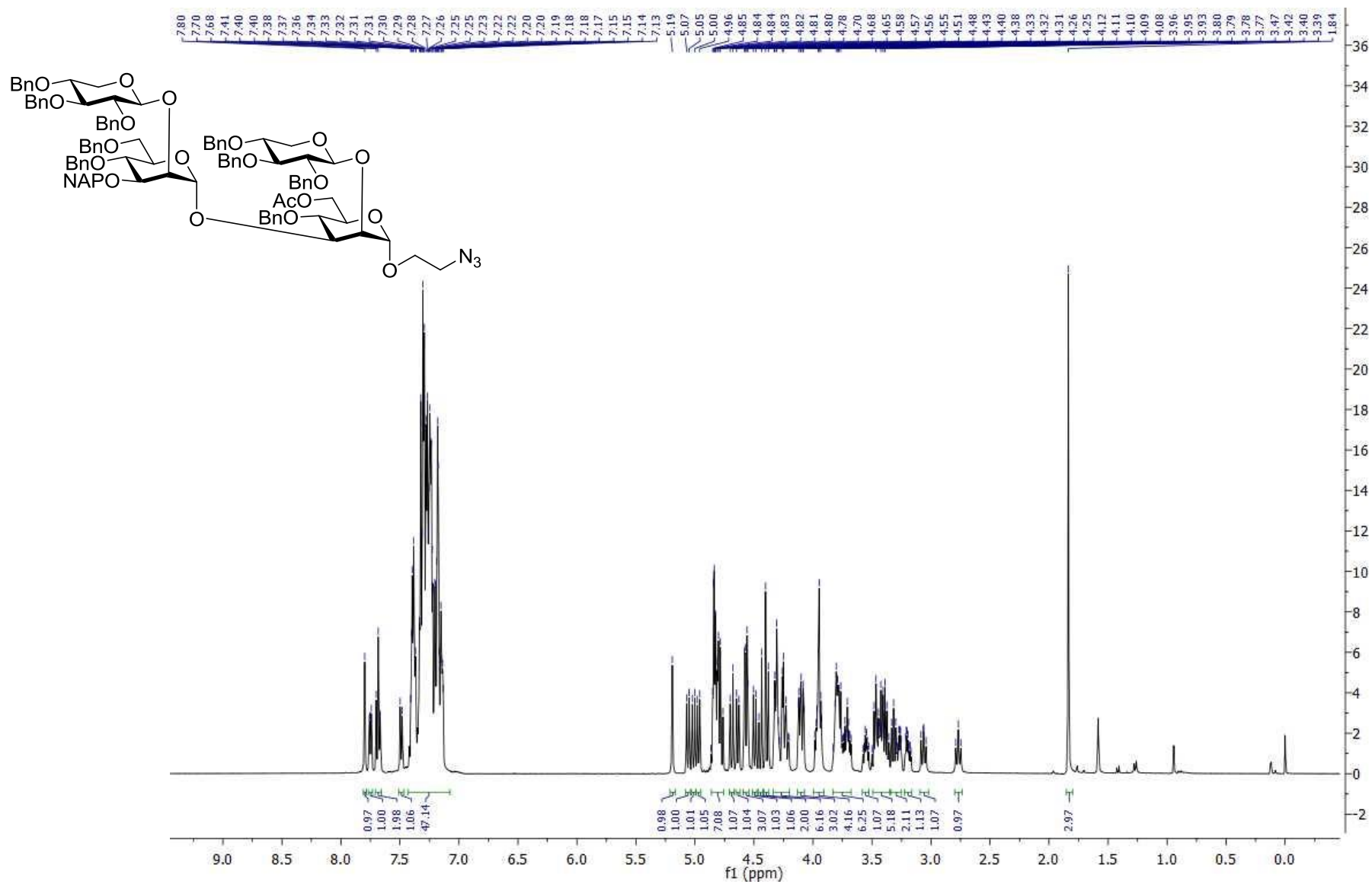


Fig 44: ^{13}C NMR of 26 at 25 °C

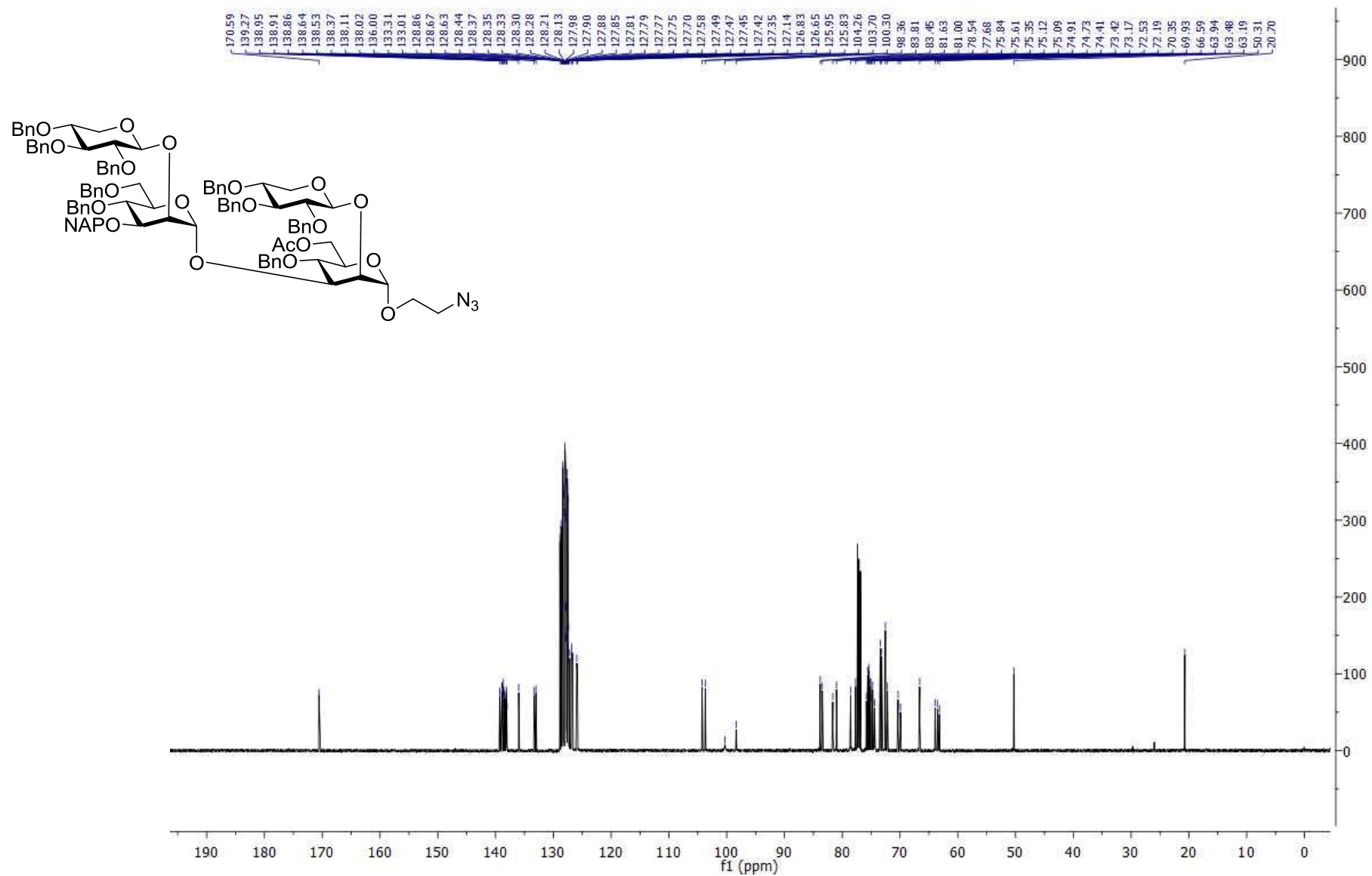


Fig 45: ¹H NMR of 27 at 25 °C

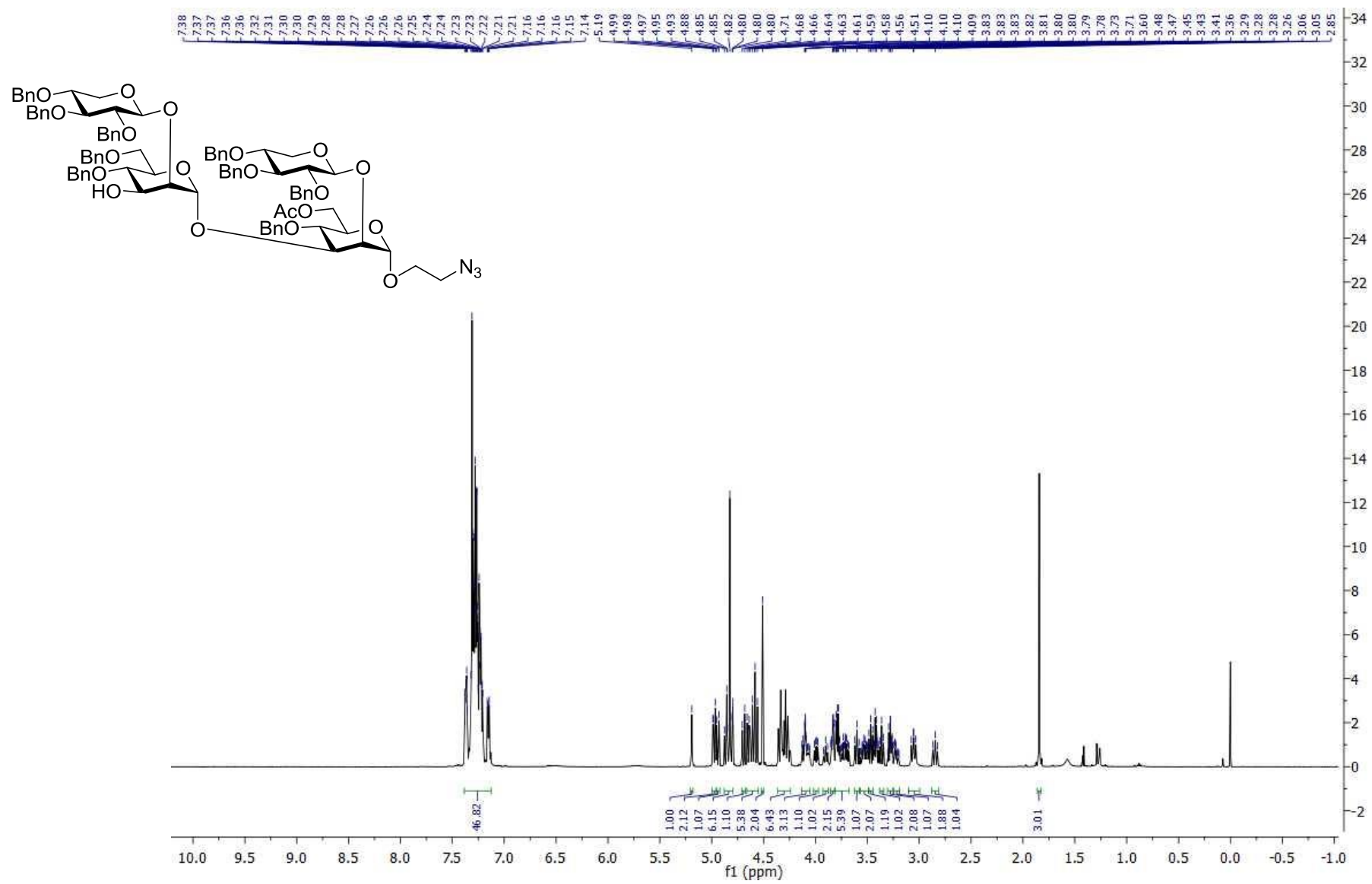


Fig 46: ^{13}C NMR of **28** at 25 °C

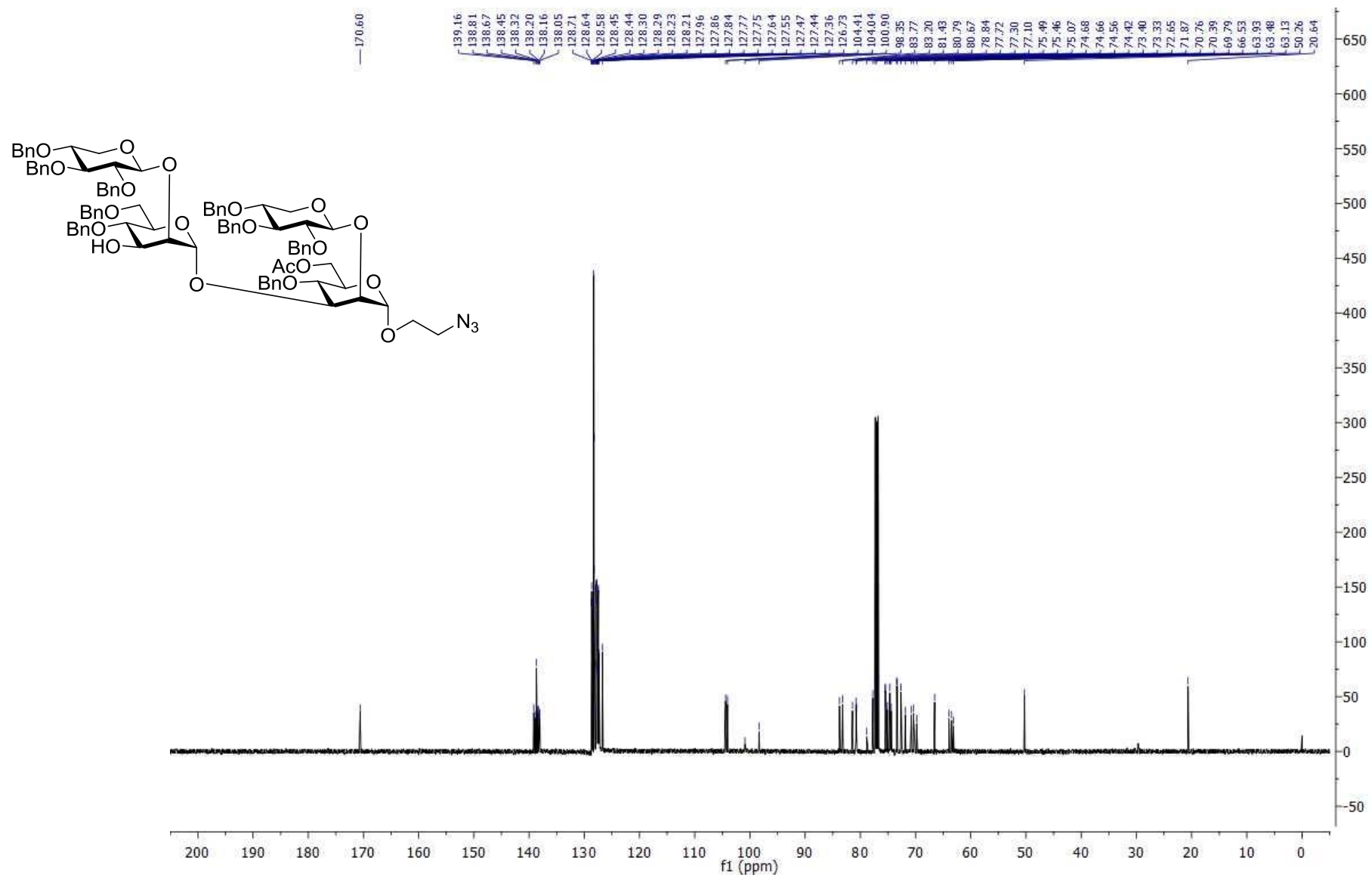


Fig 47: ^1H NMR of **28** at 25 °C

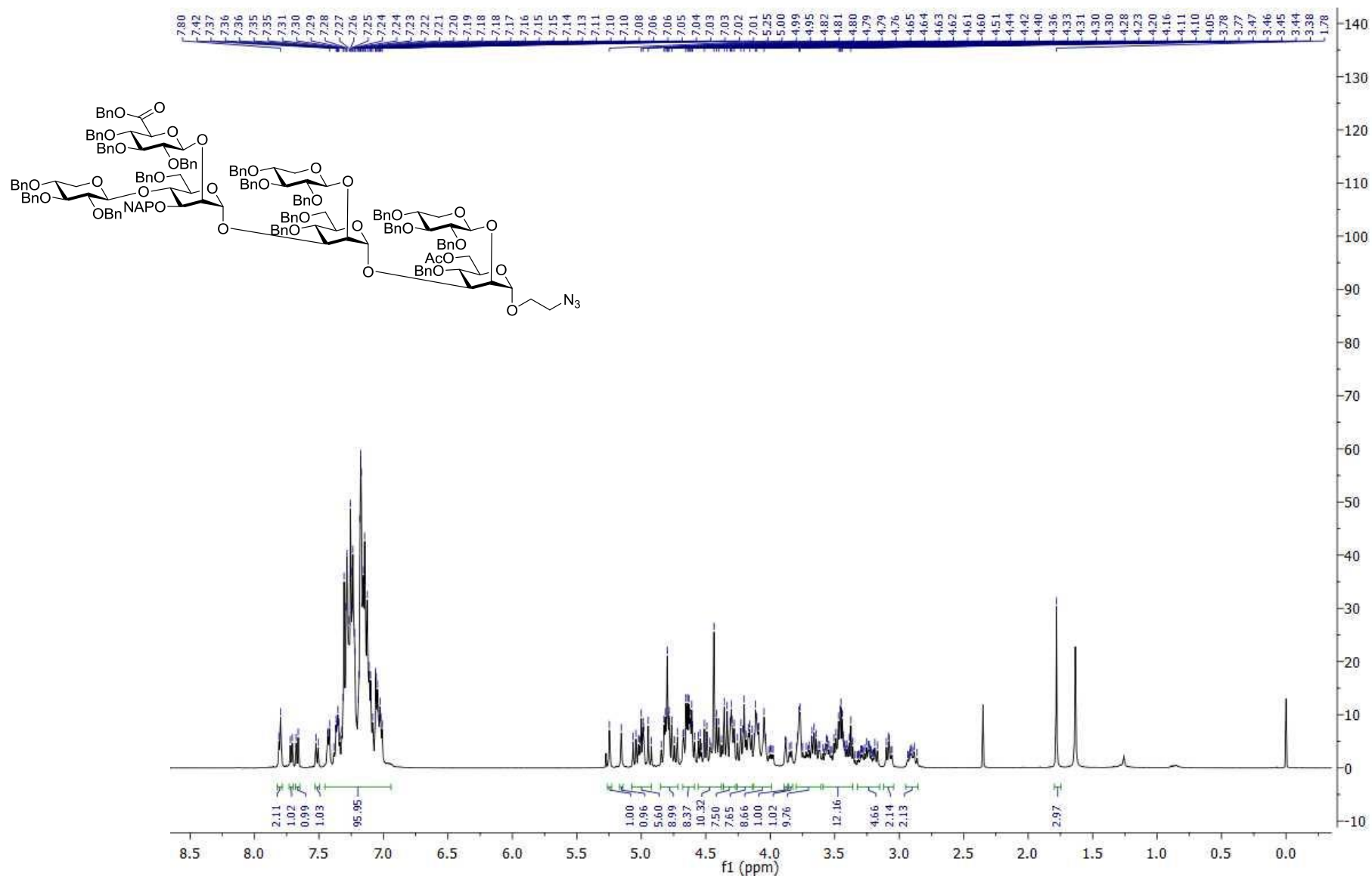


Fig 48: ^{13}C NMR of **28** at 25 °C

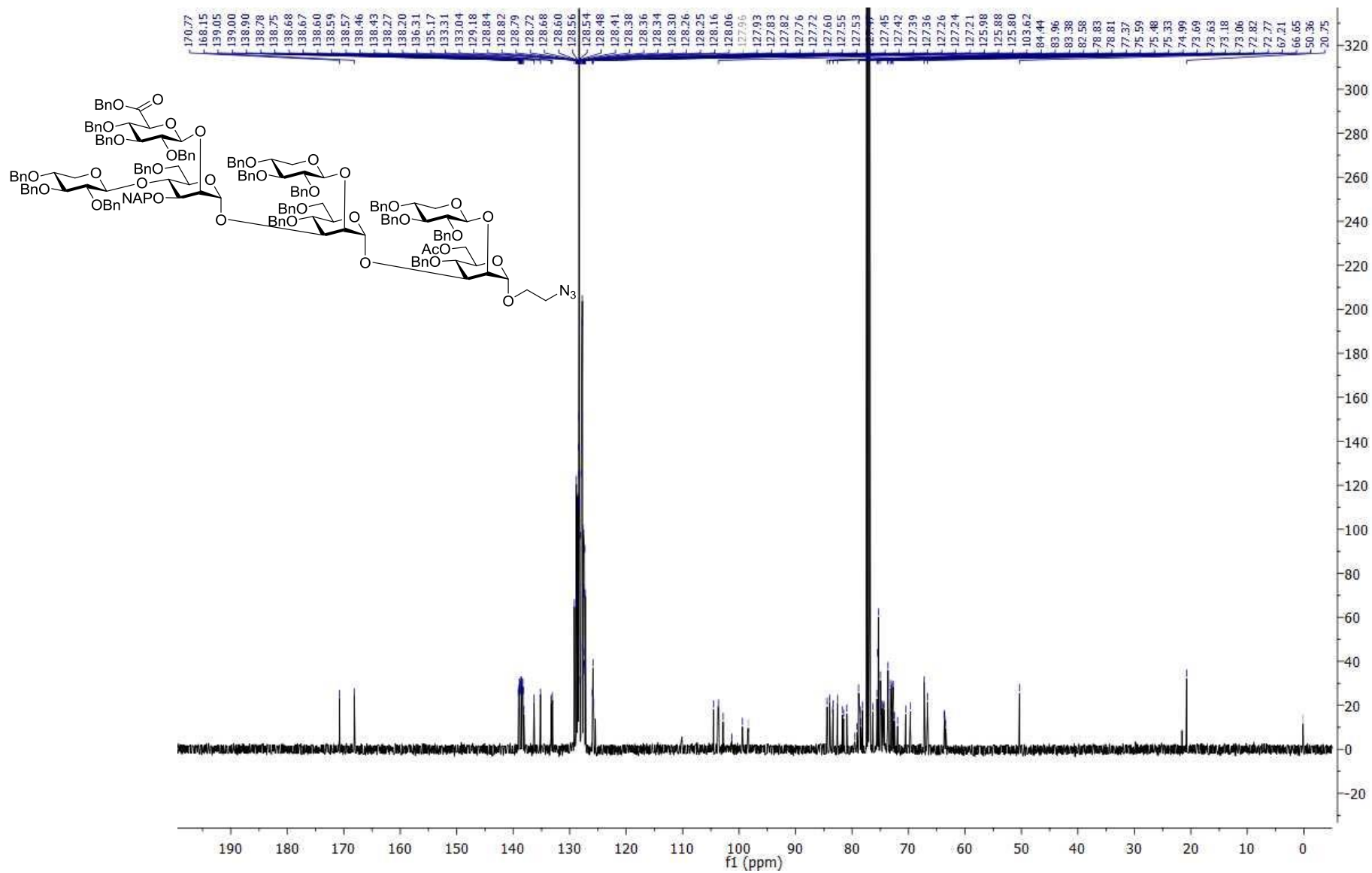


Fig 49: ¹H NMR of 29 at 25 °C

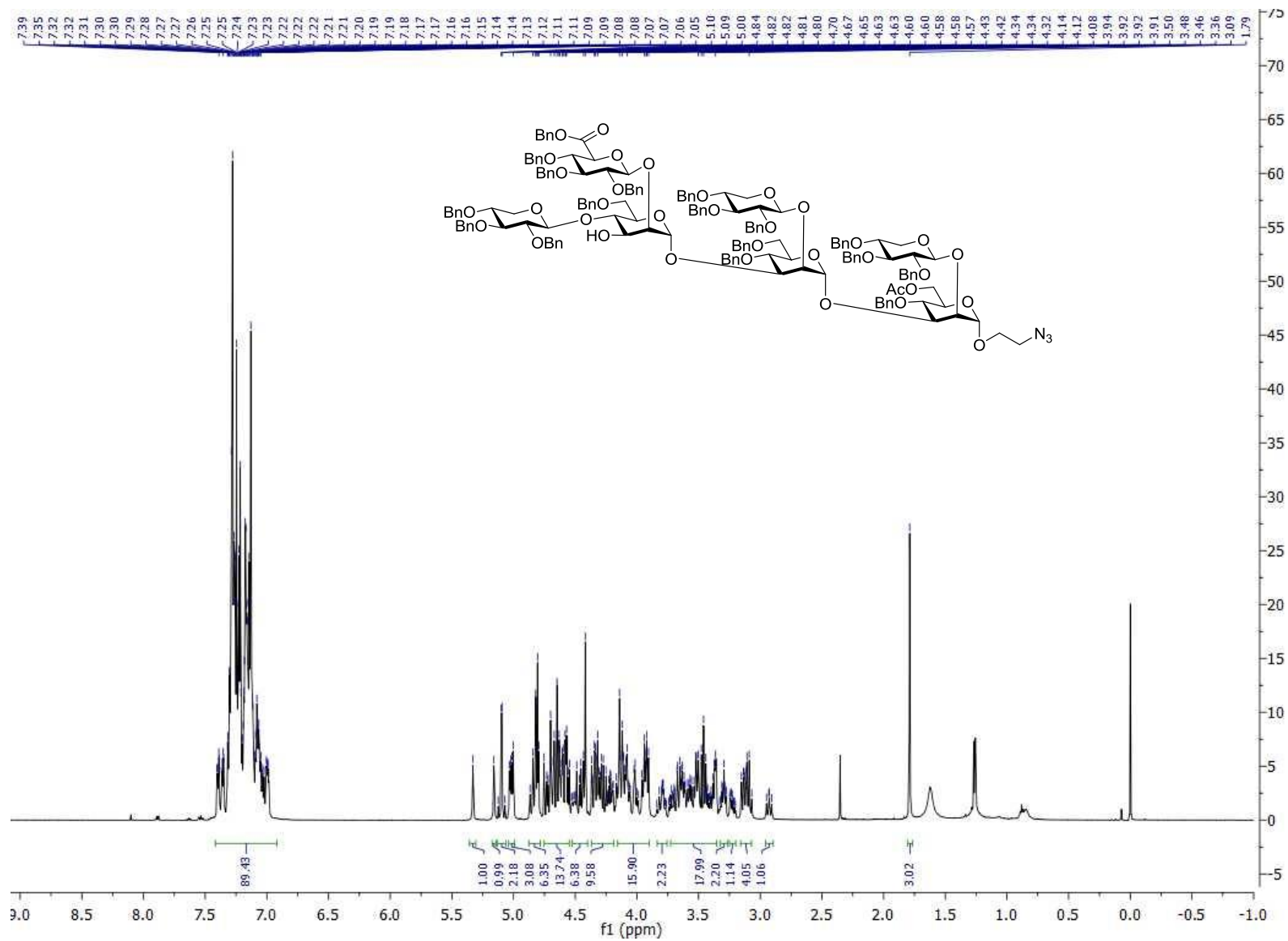


Fig 50: ^{13}C NMR of **29** at 25 °C

